JOURNAL OF
POLYMER SCIENCE

Combined Author Index to Volume 43

This index covers the Polymer Chemistry and Polymer Physics Editions of the *Journal of Polymer Science*, Vol. 43, 2005. The Edition in which an item appears is indicated by a C or P, respectively, following the page number.

Abayasinghe, N. K.
—; Glaser, S.; Prasanna, K.; Perera, U.; Smith, D. W., Jr.: Oligoethylene-End-Capped Polylactides, 5257C
Abbott, N. L. See Guzmán, O., 1033P
Abd-El-Aziz, A. S.
—; Carruthers, S. A.; Todd, E. K.; Afifi, T. H.; Gavina, J. M. A.: Cationic Organoiron Polyelectrolyte Three-Arm Stars, 1382C
Abe, M. See Yamamoto, T., 6223C, 2219P
Abe, S. See Yamanaka, A., 2754P
Abe, Y. See Gunji, T., 763C, 3623C
Abele, B. C. See Henkensmeier, D., 3814C
Abeln, C. See Guerrero-Sanchez, C., 4151C
Abhilasha See Sengwa, R. J., 1134P
Abraham, S.
—; Ha, C.-S.; Kim, I: Synthesis of Poly(styrene-*block*-*tert*-butyl acrylate) Star Polymers of Atom Transfer Radical Polymerization and Micellization of Their Hydrolyzed Polymers, 6367C
Abrams, C. F. See Sliozberg, Y., 983P
Abrol, S. See Wooster, T. J., 5072C
Acierno, D. See Sorrentino, L., 1966P
Acosta, E. J.
—; Gonzalez, S. O.; Simanek, E. E.: Synthesis, Characterization, and Application of Melamine-Based Dendrimers Supported on Silica Gel, 168C
Adams, J. See Ayres, L., 6355C
Adeli, M. See Namazi, H., 28C
Adolf, D. B.
—; Chambers, R. S.: Application of a Nonlinear Viscoelastic Model to Glassy, Particulate-Filled Polymers, 3135P
Afifi, T. H. See Abd-El-Aziz, A. S., 1382C
Agari, Y. See Kato, T., 3591P
Agarwal, U. S. See Rajan, M., 575C
Aguilar, M.
—; Martín, S.; Vega, J. F.; Muñoz-Escalona, A.; Martínez-Salazar, J.: Processability of a Metallocene-Catalyzed Linear PE Improved by Blending with a Small Amount of UHMWPE, 2963P
Aguilar-Vega, M. See Carrera-Figueiras, C., 2625P
Ahuja, R.
—; Samuelson, A. G.: First Diphosphinoamine Ligand Bearing a Polymerizable Side Chain: Complexation with Copper (I), 3411C
Ai, J. Y. See Zou, H., 1325C
Aikawa, A. See Habaue, S., 1635C
Aiyer, R. C. See Kulkarni, M. V., 2161P
Akagi, K. See Goto, H., 616C, 4298C
Akashi, M. See Serizawa, T., 1062C
Akpalu, Y. A. See Ma, D., 488P
Akvan, S. See Lehman, S. E., Jr., 6134C
Alata, H. See Hexig, B., 368P, 3069P
Albayrak, A. Z. See Salman, S., 2574C
Albérola, N. D. See Bas, C., 2413P
Albertsson, A.-C.
—; David, G.; Strandberg, C.; Bilba, D., Paduraru, C.: Synthesis of Core-Shell Structured Carboxylated Microparticles with a Straightforward Procedure and Their Evaluation as a Polymer Support, 5889C
—; See Burman, L., 4537C; Srivastava, R. K., 4206C
Alcón, M. J.
—; Ribera, G.; Galià, M.; Cádiz, V.: Advanced Flame-Retardant Epoxy Resins from Phosphorus-Containing Diol, 3510C
Aldao, C. M. See De Micco, C., 190P
Aldea, G.
—; Chitanu, G. C.; Delaunay, J.; Nunzi, J.-M.; Simionescu, B. C.; Cousseau, J.: Multifunctional, Water-Soluble, C_{60}-Pendant Maleic Anhydride Copolymer, 5814C
Alexandre, M. See Gain, O., 205P
Alexandrescu, R. See Chipara, M., 3432P
Alexeev, A. See Holder, E., 2765C
Aliferis, T.
—; Iatrou, H.; Hadjichristidis, N.: Well-Defined Linear Multiblock and Branched Polypeptides by Linking Chemistry, 4670C

Alig, I. See Holst, M., 2314P
Alla, A. See Zamora, F., 4570C, 6394C
Allcock, H. R. See Chang, Y., 2912C
Alloin, F. See Saunier, J., 3665P
Altinkaya, S. A. See Wong, S.-S., 3191P
Améduri, B. See Guiot, J., 917C
An, L. See Qiao, C., 1303P; Yuan, Q., 306P
An, Q.
—; Qian, J.; Yu, L.; Luo, Y.; Liu, X.: Study on Kinetics of Controlled/Living Radical Polymerization of Acrylonitrile by RAFT Technique, 1973C
Anantawaraskul, S. See Soares, J. B. P. 1557P
Anderson, K. L. See Pandey, R. B., 1041P, 3478P
—; Sinsawat, A.; Vaia, R. A.; Farmer, B. L.: Control of Silicate Nanocomposite Morphology in Binary Fluids: Coarse-Grained Molecular Dynamics Simulations, 1014P
Ando, S. See Liu, B., 3018C; Matsumoto, K., 149C; Terui, Y., 2109P; Toyokawa, F., 2527C
Andre, S.
—; Guida-Pietrasanta, F.; Rousseau, A.; Boutevin, B.; Caporiccio, G.: New Fluorinated Thermoplastic Elastomers. III. Novel Method of Synthesis and Characterization of Alternating Fluorinated Polyimide/Fluorinated Polyhybridsiloxane Block Copolymers via Polycondensation, 2237C
Andreopoulou, A. K. See Tzanetos, N. P., 4838C
Angiolini, L.
—; Caretti, D.; Mazzocchetti, L.; Salatelli, E.; Willem, R.; Biesemans, M.: Synthesis and Characterization of Poly(ethylene glycol) Polymers Functionalized by Terminal Tributyltin Carboxylate Moieties, 3091C
—; Caretti, D.; Rossetti, S.; Salatelli, E.; Scoponi, M.: Radical Polymeric Photoinitiators Bearing Side-Chain Camphorquinone Moieties Linked to the Main Chain through a Flexible Spacer, 5879C
Annu, S. See Jayakannan, M., 1321P
Anseth, K. S. See Reddy, S. K., 2134C
Antony, P. See Puskas, J. E., 1811C
Anzini, M. See Cappelli, A., 3289C
Ao, Y. H. See Sun, S. L., 2170P; Tan, Z. Y., 2715P
Aoi, K. See Yokoe, M., 3909C
Aoki, H. See Hosoya, K., 2556C
Aoki, T. See Teraguchi, M., 2348C
Aoshima, S. See Matsuda, Y., 2937P; Yoshida, T., 468C, 1155C, 2712C, 4288C, 4292C, 5138C, 5337C, 5704C
Aoyama, K. See Harada, M., 1296P
Arai, T.
—; Tominaga, Y.; Asai, S.; Sumita, M.: A Study on Correlation Between Physical Properties and Interfacial Characteristics in Highly Loaded Graphite–Polymer Composites, 2568P
Araki, N. See Obata, M., 2997C
Aranda-Espinoza, H. See Dalhaimer, P., 280P
Arcos-Casarrubias, J. A.
—; Olayo, R.; Bernechea, J. N.: Evolution of the Termination Rate Coefficient in Styrene Polymerization, 178C
Arimitsu, K. See Gunji, T., 3623C
Arleth, L.
—; Xia, X.; Hjelm, R. P.; Wu, J.; Hu, Z.: Volume Transition and Internal Structures of Small Poly(*N*-isopropylacrylamide) Microgels, 849P
Arranz, J. See Rodríguez, J. G., 6438C
Arribas, J. M. See Laredo, E., 1408P
Artzi, N.
—; Narkis, M.; Siegmann, A.: Review of Melt-Processed Nanocomposites Based on EVOH/Organoclay, 1931P
Asai, K. See Obata, M., 2997C
Asai, S. See Arai, T.,2568P; Hirota, S.-I., 2951P; Tai, X., 184P; Tominaga, Y., 3151P
Asakawa, N. See Hexig, B., 368P
Asandei, A. D.
—; Moran, I. W.: The Ligand Effect in Ti-Mediated Living Radical Styrene Polymerizations Initiated by Epoxide Radical Ring Opening. 1. Alkoxide and Bisketonate Ti Complexes, 6028C
—; Moran, I. W.: The Ligand Effect in Ti-Mediated Living Radical Styrene Polymerizations Initiated by Epoxide Radical Ring Opening. 2. Scorpionate and Half-Sandwich $LTiCl_3$ Complexes, 6039C
Asano, M. See Chen, J., 2843P
Ascencio, J. A. See Velumani, S., 3058P
Aseev, V. See Dudkina, M., 398P
Ash, B. J.
—; Siegel, R. W.; Schadler, L. S.: Glass-Transition Temperature Behavior of Alumina/PMMA Nanocomposites, 114P
Asha, S. K. See Smitha, P., 4455C
Ashraf, R. S.
—; Klemm, E.: Synthesis and Properties of Poly(heteroaryleneethynylene)s Consisting of Electron-Accepting Benzothiadiazole/Quinoxaline Units and Electron-Donating Alkyl Thiophene Units, 6445C
Asua, J. M. See Bouvier-Fontes, L., 4684C
Atman, J. B. See Henry, R. M., 1842P
Aubrecht, K. B.
—; Grubbs, R. B.: Synthesis and Characterization of Thermoresponsive Amphiphilic Block Copolymers Incorporating a Poly(ethylene oxide-*stat*-propylene oxide) Block, 5156C
Avci, D. See Salman, S., 2574C
Aviyente, V. See Catak, S., 455C; Salman, S., 2574C
Ayala, V.
—; Maya, E. M.; García, J. M.; De La Campa, J. G.; Lozano, A. E.; De Abajo, J.: Synthesis, Characterization, and Water Sorption Properties of New Aromatic Polyamides Containing Benzimidazole and Ethylene Oxide Moieties, 112C
Ayçiçek, I. See Çaykara, T., 2819P

Ayres, L.
—; Hans, P.; Adams, J.; Löwik, D. W. P. M.; van Hest, J. C. M.: Peptide–Polymer Vesicles Prepared for Atom Transfer Radical Polymerization, 6355C
Ayres, N. See Vasilieva, Y. A., 3141C

Badr, Y. A. See Khafagy, R. M., 2829P
Bae, B.-S. See Eo, Y.-J., 827P
Bae, J. See Jang, J., 2258C
Baek, J.-B.
—; Harris, F. W.: Development of an Improved Synthetic Route to an AB Phenylquinoxaline Monomer, 801C
—; Harris, F. W.: Synthesis and Polymerization of New Self-Polymerizable Quinoxaline Monomers, 78C
—; Harris, F. W.: Synthesis of Phenylquinoxaline Oligomers Containing Pendant Electron-Donating and Electron-Withdrawing Groups, 6465C
Baer, E. See Hiltner, A., 1047P; Hu, Y. S., 1365P; Somlai, L. S., 1230P
Baghdadi, H. A.
—; Sardinha, H.; Bhatia, S. R.: Rheology and Gelation Kinetics in Laponite Dispersions Containing Poly(ethylene oxide), 233P
Bahr, M. See Bruaseth, I., 2584C
Baigude, H.
—; Katsuraya, K.; Tokunaga, S.; Fujiwara, N.; Satoyama, M.; Magome, T.; Okuyama, K.; Borjihan, G.; Uryu, T.: Synthesis of an Oligosaccharide–Polylysine Dendrimer with Reducing Sugar Terminals Leading to Acquired Immunodeficiency Syndrome Vaccine Preparation, 2195C
Baik, D. H. See Hong, J. H., 3171P
Bailly, C. See Rajan, M., 575C
Balasubramanian, A. See Han, C.-C., 1767C
Balazs, A. C.:
—; Viewpoint: Challenges in Polymer Science: Controlling Vesicle-Substrate Interactions, 3357P
Ballard, M. J. See Prescott, S. W., 1076C
Baloch, M. K.
—; Nawaz, M.: Conformational Behavior of Nylon 6 in Mixed Solvents, 534P
Ban, H. T.
—; Tsunogae, Y.; Shiono, T.: Stereospecific Sequential Block Copolymerizations of Styrene and 1, 3-Butadiene with a $C_5Me_5TiMe_3/B(C_6F_5)_3/Al(oct)_3$ Catalyst, 1188C
Banavar, J. R. See Marenduzzo, D., 650P
Bandyopadhyay, A.
—; De Sarkar, M.; Bhowmick, A. K.: Polymer–Filler Interactions in Sol–Gel Derived Polymer/Silica Hybrid Nanocomposites, 2399P
Banks, B. A. See Dargaville, T. R., 2503P
Bao, F.
—; Lü, X.-Q.; Gao, H.; Gui, G.; Wu, Q.: Vinylic and Ring-Opening Metathesis Polymerization of Norbornene with Bis(β-ketoamine) Cobalt Complexes, 5535C
Bao, S. P. See Tjong, S. C., 253P, 585P, 3112P
Barboiu, B. See Percec, V., 4894C
Barbosa, S.
—; Diaz, M.; Mabe, G.; Brignole, E. A.; Capiati, N.: Thermoplastic Blend Demixing by a High-Pressure, High-Temperature Process, 2361P
Barbre, N. D. See Russum J. P., 2188C
Barchiesi, E. See Russo, A., 4790C
Bardenhagen, S. See Borodin, O., 1005P
Barner-Kowollik, C. See Chiu, T. Y. J., 5699C
Barnes, M. D.
—; Mehta, A.; Kumar, P.; Sumpter, B. G.; Noid, D. W.: Confinement Effects on the Structure and Dynamics of Polymer Systems from the Mesoscale to the Nanoscale, 1571P
Barquero, N. See Vicente, J., 3167C
Bartole-Scott, A. See Smith, C. W., 2280P
Bas, C.
—; Mercier, R.; Sanchez-Marcano, J.; Neyertz, S.; Albérola, N. D.; Pinel, E.: Copolyimides Containing Alicyclic and Fluorinated Groups: Solubility and Gas Separation Properties, 2413P
Bastos, Q. C.
—; De Fátima Vieira Marques, M.: Polypropylene Reactor Mixture Obtained with Homogeneous and Supported Catalysts, 263C
Bates, F. S. See Wu, J., 1950P
Bauer, F.
—; Denneler, S.; Willert-Porada, M.: Influence of Temperature and Humidity on the Mechanical Properties of Nafion® 117 Polymer Electrolyte Membrane, 786P
Baxter, D. V. See Chipara, M., 3432P
Baysal, C. See Bilgin, N., 5312C
Bazuin, C. G. See Tibirna, C. M., 3421P
Beckers, M. See Reynhout, X. E. E., 726C
Beda, T.
—; Reconciling the Fundamental Phenomenological Expression of the Strain Energy of Rubber with Established Experimental Facts, 125P
Bednarek, M. See Jankova, K., 3748C
—; Kubisa, P.: Copolymerization with the Feeding of One of the Comonomers: Cationic Activated Monomer Copolymerization of ε-Caprolactone with Ethylene Oxide, 3788C
Bedrov, D. See Borodin, O., 1005P
Bellmann, C. See Elrehim, M. A., 3376C
Bello, A. See Laredo, E., 1408P
Belmont, J. See Liu, T., 4695C
Benabdallah, T. See Harrats, C., 22P
Benetatos, N. M.
—; Winey, K. I.: Ionic Aggregates in Zn- and Na-Neutralized Poly(ethylene-*ran*-methacrylic acid) Blown Films, 3549P
Benicewicz, B. C. See Li, C., 1535C
Bennett, C.
—; Mathias, L. J.: Synthesis and Characterization of Polyamides Containing Octadecanedioic Acid: Nylon-2,18, Nylon-3,18, Nylon-4,18, Nylon-6,18, Nylon-8,18,

Nylon-9,18, and Nylon-12,18, 936C
Bera, T. K. See Percec, V., 4894C
Bergbreiter, D. E.
—; Simanek, E. E.; Owsik, I.: New Synthetic Methods for the Formation of Basic, Polyvalent, Hyperbranched Grafts, 4654C
Bernechea, J. N. See Arcos-Casarrubias, J. A., 178C
Bero, M. See Dobrzynski, P., 1913C
Bershtein, V. A.
—; David, L.; Egorov, V. M.; Fainleib, A. M.; Grigorieva, O.; Bey, I.; Yakushev, P. N.: Structural/Compositional Nanoheterogeneity and Glass-Transition Plurality in Amorphous Polycyanurate-Poly(tetramethylene glycol) Hybrid Networks, 3261P
Bey, I. See Bershtein, V. A., 3261P
Bhat, R. R.
—; Tomlinson, M. R.; Genzer, J.: Orthogonal Surface-Grafted Polymer Gradients: A Versatile Combinatorial Platform, 3384P
Bhatia, S. R. See Baghdadi, H., 233P
Bhattacharjee, M. See Patra, B. N., 3707C, 3797C
Bhattacharya, M. See Wang, Y., 3077P
Bhosale, S. See Li, G., 4547C
Bhowmick, A. K. See Bandyopadhyay, A., 2399P; Puskas, J. E., 1811C; Sadhu, S., 1854P
Bialek, M.
—; Czaja, K.; Reszka, A.: (Co)polymerization Behavior of Supported Metallocene Catalysts. I. Ligand and Substituent Effect, 5562C
Bian, K.
—; Cunningham, M. F.: Synthesis of Polymeric Microspheres from a Merrifield Resin by Surface-Initiated Nitroxide-Mediated Radical Polymerization, 2145C
Bianchi, C.
—; Grassl, B.; François, B.; Dagron-Lartigau, C. Water-Soluble Poly(ethylene oxide)-*block*-Poly(*p*-phenylene vinylene) Copolymer: Synthesis and Characterization, 4337C
Bianchi, R. F.
—; Onmori, R. K.; Faria, R. M.: Device Model for Poly(*o*-methoxyaniline) Field-Effect Transistor, 74P
Bianchini, D.
—; Galland, G. B.; dos Santos, J. H. Z.; Williams, R. J. J.; Fasce, D. P.; Dell'Erba, I. E.; Quijada, R.; Perez, M.: Metallocene Supported on a Polyhedral Oligomeric Silsesquioxane-Modified Silica with High Catalytic Activity for Ethylene Polymerization, 5465C
Biasutti, J. D.
—; Davis, T. P.; Lucien, F. P.; Heuts, J. P. A.: Reversible Addition–Fragmentation Chain Transfer Polymerization of Methyl Methacrylate in Suspension, 2001C
Bicu, I.
—; Mustata, F.: Polymers from a Levopimaric Acid–Acrylnotrile Diels–Alder Adduct: Synthesis and Characterization, 6308C
Biedroń, T.
—; Kubisa, P.: Radical Polymerization in a Chiral Ionic Liquid: Atom Transfer Radical Polymerizatiion of Acrylates, 3454C
Biela, T. See Danko, M., 4586C
—; Duda, A.; Pasch, H.; Rode, K.: Star-Shaped Poly(L-lactide)s with Variable Numbers of Hydroxyl Groups at Polyester Arms Chain-Ends and Directly Attached to the Star-Shaped Core–Controlled Synthesis and Characterization, 6116C
Biesemans, M. See Angiolini., 3091C
Bikiaris, D. N. See Roupakias, C. P., 3998C
Bilba, D. See Albertsson, A.-C., 5889C
Bilgin, N.
—; Baysal, C.; Menceloglu, Y. Z.: Synthesis of Fluorinated Oligomers forr Supercritical Carbon Dioxide Applications, 5312C
Billon, L. See Karaky, K., 5186C
Binder, W. H.
—; Machl, D.: Poly(ether ketone)–Polyisobutylene Block Copolymers: Synthesis and Phase Behavior, 188C
Bissel, P. See Percec, V., 4894C
Blais, J. C. See Caouthar, A., 6480C
Bogoeva-Gaceva, G. See Grozdanov, A., 66P
Böhme, S. See Kricheldorf, H. R., 1248C
Boiko, N. I.
—; Shibaev, V. P.; Kozlovsky, M.: Kinetically Controlled Phase Transitions in Liquid-Crystalline Polymers. III. Influence of the Molecular Weight and Annealing Temperature on Two-Dimensional K Phase Formation in a Side-Chain Polyacrylate, 2352P
Bongiovanni, R. See Sangermano, M., 4144C
—; Malucelli, G.; Messori, M.; Pilati, F.; Priola, A.; Tonelli, C.; Toselli, M.: Poly (caprolactone-*co*-lactide)/ Perfluoropolyether Block Copolymers: Synthesis, Thermal, and Surface Characterization, 3588C
Borjihan, G. See Baigude, H., 2195C
Borkar, S.
—; Sen, A.: Controlled Copolymerization of Vinyl Acetate with 1-Alkenes and Their Fluoro Derivatives by Degenerative Transfer, 3728C
Borodin, O.
—; Bedrov, D.; Smith, G. D.; Nairn, J.; Bardenhagen, S.: Multiscale Modeling of Viscoelastic Properties of Polymer Nanocomposites, 1005P
Borrull, F. See Fontanals, N., 1718C
Bortolussi, M. See Caouthar, A., 6480C
Boulet, P. See Chen, B., 1785P
Bounor-Legaré, V. See Lacoste, J.-F., 2207C
Bourgeat-Lami, E. See Flesch, C., 3221C
Boutevin, B. See Andre, S., 2237C; Boyer, C., 4303C; Guiot, J., 917C; Otazaghine, B., 2377C
Bouvier-Fontes, L.
—; Pirri, R.; Asua, J. M.; Leiza, J. R.: Cross-Linking Emulsion Copolymerization of Butyl Acrylate with Diallyl Maleate, 4684C

Bowden, A. A. See Chen, B., 1785P

Bowman, C. N. See Reddy, S. K., 2134C

Boyer, C. See Otazaghine, B., 2377C

—; Otazaghine, B.; Boutevin, B.; Joly-Duhamel, C.; Robin, J.-J.: Synthesis of Maleimide-Terminated *n*-Butyl Acrylate Oligomers by Atom Transfer Radical Polymerization: A Study of Their Copolymerization with Vinyl Ethers, 4303C

Brar, A. S.

—; Kaur, S.: Microstructure Determination of Methyl Methacrylate and *n*-Butyl Acrylate Copolymers Synthesized by Atom Transfer Radical Polymerization with Two-Dimensional NMR Spectroscopy, 1100C

—; Kaur, S.: Tetramethylguanidino-tris(2-aminoethyl)amine: A Novel Ligand for Copper-Based Atom Transfer Radical Polymerization, 5906C

—; Saini, T.: Atom Transfer Radical Copolymerization of Acrylonitrile/*n*-Butyl Acrylate: Microstructure Determination by Two-Dimensional Nuclear Magnetic Resonance Spectroscopy, 2810C

Bratton, D.

—; Brown, M.; Howdle, S. M.: Novel Fluorinated Stabilizers for Ring-Opening Polymerization in Supercritical Carbon Dioxide, 6573C

Breitenkamp, K.

—; Emrick, T.: Amphiphilic Ruthenium Benzylidene Metathesis Catalyst with PEG-Substituted Pyridine Ligands, 5715C

Bressy, C. See Nguyen, M. N., 5680C

Briatico-Vangosa, F.

—; Rink, M.: Dilatometric Behavior and Glass Transition in a Styrene-Acrylonitrile Copolymer, 1904P

Brignole, E. A. See Barbosa, S., 2361P

Brinker, K. L.

—; Lebovitz, A. H.; Torkelson, J. M.; Burghardt, W. R.: Porod Scattering Study of Coarsening in Immiscible Polymer Blends, 3413P

Brinson, L. C. See Ramanathan, T., 2269P

Broeren, M. A. C.

—; Linhardt, J. G.; Malda, H.; De Waal, B. F. M.; Versteegen, R. M.; Meijer, J. T.; Löwik, D. W. P. M.; Van Hest, J. C. M.; Van Genderen, M. H. P.; Meijer, E. W.: Noncovalent Synthesis of Supramolecular Dendritic Architectures in Water, 6431C

Brokken-Zijp, J. See Lima, V., 959C

Brown, J. F. See Krajnc, P., 296C

Brown, M. See Bratton, D., 6573C

Bruaseth, I.

—; Bahr, M.; Gerhard, D.; Rytter, E.: Pressure and Trimethylaluminum Effects on Ethene/1-Hexene Copolymerization with Methylaluminoxane-Activated $(1,2,4\text{-}Me_3Cp)_2ZrCl_2$: Trimethylaluminum Suppression of Standard Termination Reactions after 1-Hexene Insertion, 2584C

Bruchmann, B. See Elrehim, M. A., 3376C

Bu, D. See Ren, S., 6554C

Bu, H. See Rong, W., 2243P

Bu, N. See Wu, L., 2248C

Bualek-Limcharoen, S. See Saikrasun S. 135P

Buckin, V. See Van Durme, K., 1283P

Bulut, U. See Crivello, J. V., 5217C

—; Crivello, J. V.: Reactivity of Oxetane Monomers in Photoinitiated Cationic Polymerization, 3205C

Bundalo-Perc, S. See Masson J.-F., 276P

Bunyard, W. C. See Harbron, E. J., 2097P

Burgess, J. O. See Xu, X., 3153C

Burghardt, W. R. See Brinker, K. L., 3413P

Burke, N. A. D. See Jones, J. A., 6095C

Burman, L.

—; Albertsson, A.-C.: Evaluation of Long-Term Performance of Antioxidants Using Prooxidants Instead of Thermal Acceleration, 4537C

Buruiana, E. C.

—; Buruiana, T.; Strat, G.; Strat, M.: Synthesis of Ionic Polyurethanes with Pyrene Rings: Spectral Properties and Fluorescence Quenching Study, 3945C

Buruiana, T. See Buruiana, E. C., 3945C

Busfield, J. J. C.

—; Thomas, A. G.; Yamaguchi, K.: Electrical and Mechanical Behavior of Filled Rubber. III. Dynamic Loading and the Rate of Recovery, 1649P

Buzarovska, A. See Grozdanov, A., 66P

Byun, S. H. See Kim, I., 4393C

Cabral, J. S. M. See Silva, C. M., 2448C

Cádiz, V. See Alcón, M. J., 3510C; Lligadas, G., 6295C; Martín, C., 6419C

Cai, J.

—; Yu, Q.; Zhang, X.; Lin, J.; Jiang, L.: Control of Thermal Cross-Linking Reactions and the Degree of Crystallinity of Syndiotactic 1,2-Polybutadiene, 2885P

—; See Chen, Z., 1332P

Cai, Q. See Zhang, T., 2417C

Cai, S. X. See Lin, C. H., 5971C

—; Lin, C. H.: Flame-Retardant Epoxy Resins with High Glass-Transition Temperatures from a Novel Trifunctional Curing Agent: Dopotriol, 2862C

Caille, J.-R.

—; Debuigne, A.; Jérôme, R.: Quinone Transfer Radical Polymerization (QTRP) of Styrene: Catalysis by Different Metal Complexes, 2723C

Cakmak, M. See Koike, Y., 1825P; Yalcin, B., 724P

Callau, L. See Lligadas, G., 6295C

Calvo, B. See Campo-Arnáiz, R. A., 1608P

Cameron, N. R. See Krajnc, P., 296C

Caminiti, R. See Martinelli, A., 2725P

Campo-Arnáiz, R. A.
—; Rodríguez-Pérez, M. A.; Calvo, B.; De Saja, J. A.: Extinction Coefficient of Polyolefin Foams, 1608P
Campoy, I. See Laredo, E., 1408P
Candussio, A. See Henkensmeier, D., 3814C
Canizal, G. See Velumani, S., 3058P
Cao, A. See Yang, J., 373C
Cao, C.
—; Zou, J; Dong, J.-Y.; Hu, Y.; Chung, T. C.: Synthesis of Polypropylene Graft Copolymers by the Combination of a Polypropylene Copolymer Containing Pendant Vinylbenzene Groups and Atom Transfer Radical Polymerization, 429C
Cao, H.
—; Lin, G.; Jones, A. A.: Deuterium Solid Echo Line Shape Study of Poly(ethylene oxide) Dynamics in a Blend with Poly(methyl methacrylate), 2433P
Cao, X.
—; Zhang, L.: Miscibility and Properties of Polyurethane/Benzyl Starch Semi-Interpenetrating Polymer Networks, 603P
Cao, Y. See He, Y., 2617P; Li, X., 2325C; Yang, R., 823C
Caouthar, A.
—; Loupy, A.; Bortolussi, M.; Blais, J.-C.; Dubreucq, L.; Meddour, A.: Synthesis and Characterization of New Polyamides Based on Diphenylaminoisosorbide, 6480C
Capiati, N. See Barbosa, S., 2361P
Caporiccio, G. See Andre, S., 2237C
Cappelli, A.
—; Anzini, M.; Vomero, S.; Donati, A.; Zetta, L.; Mendichi, R.; Casolaro, M.; Lupetti, P.; Salvatici, P.; Giorgi, G.: New π-Stacked Benzofulvene Polymer Showing Thermoreversible Polymerization: Studies in Macromolecular and Aggregate Structures and Polymerization Mechanism, 3289C
Cardoso, J.
—; Montiel, R.; Huanosta-Tera, A.: Microscopic Features of Methacrylate Polymers with Zwitterionic Pendant Groups Determined by Various Techniques, 1152P
Carella, J. M. See Tomba, J. P., 3083P
Caretti, D. See Angiolini, L., 3091C, 5879C
Carew, S. See Jones, J. A., 6095C
Carlini, C.
—; Ceccarini, A.; Fernandes, E. G.; Galletti, A. M. R.; Sbrana, G.: Ethylene Polymerization with silica-Supported Bis[3,5-dinitro-*N*-(2,6-diisopropylphenyl) salicylaldiminate]nickel(II)/Methylaluminoxane Catalysts, 1978C
Carneiro, F. See Silva, C. M., 2448C
Carranco, K. See Frey, M. W., 2013P
Carrera-Figueiras, C.
—; Aguilar-Vega, M.: Gas Permeability and Selectivity of Hexafluoroisopropylidene Aromatic Isophthalic Copolyamides, 2625P
Carrot, C. See Stanescu, P., 1973P
Carruthers, S. A. See Abd-El-Aziz, A. S., 1382C
Carter, K. R. See Lebedeva, E., 2266C
Cartier, N. See Despond, S., 48P
Casado-Portilla, R. See Liu, T., 4695C
Casolaro, M. See Cappelli, A., 3289C
Cassagnau, P. See Lacoste, J.-F., 2207C
Catak, S.
—; Aviyente, V.; Nugay, T.: Computational Study of Alkyllithium/Pyridine Derivative Systems as Initiators for the Living Anionic Polymerization of Methyl Methacrylates, 455C
Cavaco-Paulo, A. See Silva, C. M., 2448C, 2749C
Cavaillé, J. Y. See Dalmas, F., 1186P
Cayer-Barrioz, J.
—; Tonck, A.; Mazuyer, D.; Kapsa, P.; Chateauminois, A.: Nanoscale Mechanical Characterization of Polymeric Fibers, 264P
Çaykara, T.
—; Ayçiçek, I.: pH-Responsive Ionic Poly(*N,N*-diethylaminoethyl methacrylate-*co*-*N*-vinyl-2-pyrrolidone) Hydrogels: Synthesis and Swelling Properties, 2819P
Cebe, P.
—; Recent Developments in Thermal Analysis of Polymers: Calorimetry in the Limit of Slow and Fast Heating Rates, 629P
Ceccarini, A. See Carlini, C., 1978C
Celina, M. See Dargaville, T. R., 1310P, 2503P
Cerrada, M. L. See Muñoz-Bonilla, A., 4828C
Cervellera, R.
—; Ramis, X.; Salla, J. M.; Mantecón, A.; Serra, A.: Crosslinking Study of Mixtures of DGEBA and 1,3-Dioxan-2-one Catalyzed by Lanthanide Triflates, 5799C
Cesteros, L. C. See Rentería, M., 2495C
Cevallos, M. J. See Petrović, Z. S., 3178P
Chacon, A. See Hopkins, T. E., 1895C
Chadwick, J. C. See Smit, M., 2734C
Chambers, R. S. See Adolf, D. B., 3135P
Chan, C.-M. See Liu, S., 1924P
Chan, H. See Frey, M. W., 2013P
Chan, H. L. W. See Lam, T. Y., 2334P
Chan, S. W. P. See Puskas, J. E., 5394C
Chan, W. K. See Tse, C. W., 1292C
Chang, C.-J. See Chen, R.-S., 3482C
—; Chang, S.-J.; Shih, K.-C.; Pan, F.-L.: Improving Mechanical Properties and Chemical Resistance of Ink-Jet Printer Color Filter by Using Diblock Polymeric Dispersants, 3337P
Chang, C.-Y. See Huang, H.-M., 4710C
Chang, G.-P. See Liu, Y.-L., 5787C
Chang, G.-Y. See Wu, J.-Y., 3242P
Chang, H.-L. See Chen, C.-P., 682C

Chang, N.-K. See Vanlandingham, M. R., 1794P; White, C. C., 1812P
Chang, S.-H. See Vanlandingham, M. R., 1794P; White, C. C., 1812P
Chang, S.-J. See Chang, C.-J., 3337P
Chang, T.
—; Polymer Characterization by Interaction Chromatography, 1591P
Chang, Y.
—; Powell, E. S.; Allcock, H. R.: Environmentally Responsive Micelles from Polystyrene-Poly[bis(potassium carboxylatophenoxy)phosphazene] Block Copolymers, 2912C
Chang, Y.-H. See Chen, R.-S., 3482C
Chang, Y.-S. See Hwang, S.-J., 2392P
Chaplya, P. M. See Dargaville, T. R., 1310P
Chappelow, C. C. See Miller, M. D., 5962C
Charreyre, M.-T. See Sahnoun, M., 3551C
Chastek, T. Q.
—; Lodge, T. P.: Twinning and Growth Kinetics of Lamellar Grains in a Diblock Copolymer Solution, 405P
Chateauminois, A. See Cayer-Barrioz, J., 264P; Sosson, F., 3316P
Chatterton, M. See Cunningham, M. F., 5545C
Chattopadhyay, D. K. See Prabhakar, A., 1196C
Chazeau, L. See Dalmas, F., 1186P
Chen, B.
—; Bowden, A. A.: Greenwell, H. C.; Boulet, P.; Coveney, P. V.; Whiting, A.; Evans, J. R. G.: Morphology and Elastic Modulus of Novel Poly[oligo(ethylene glycol) diacrylate]-montmorillonite Nanocomposites, 1785P
Chen, C.
—; Zhou, X.; Zhuang, Y.; Dong, L.: Thermal Behavior and Intermolecular Interactions in Blends of Poly(3-hydroxybutyrate) and Maleated Poly(3-hydroxybutyrate) with Chitosan, 35P
—; See Jiang, G., 5554C
Chen, C.-C. See Yeh, J.-T., 511P
Chen, C.-F. See Lee, C.-F., 342C
Chen, C.-H.
—; Teng, C.-C.; Yang, C.-H.: Preparation and Characterization of Rigid Poly (vinyl chloride)/MMT Nanocomposites, 1465P
Chen, C.-P.
—; Dai, S. A.; Chang, H.-L.; Su, W-C.; Jeng, R.-J.: Facile Approach to Polyurea/Malonamide Dendrons via a Selective Ring-Opening Addition Reaction of Azetidine-2,4-dione, 682C
Chen, D. See Helfer, C. A., 886P
Chen, E. See Wang, Xinghu., 3232C
Chen, F. See Yi, L., 4431C
Chen, G. See Xu, W., 543C
Chen, G.-X.
—; Yoon, J.-S.: Morphology and Thermal Properties of Poly(L-lactide)/Poly(butylene succinate-*co*-butylene adipate) Compounded with Twice Functionalized Clay, 478P
—; Yoon, J.-S.: Nonisothermal Crystallization Kinetics of Poly(butylene succinate) Composites with a Twice Functionalized Organoclay, 817P
Chen, H.-T. See Hsu, S. L.-C., 6020C
Chen, J. See Jian, C., 2625C; Martin, D. C., 1749P; Zhou, L., 1778C
—; Asano, M.; Tsubokawa, N.; Maekawa, Y.; Yamaki, T.; Yoshida, M.: Impedance Spectra Analysis of Thermoresponsive Poly(acryloyl-L-proline methyl ester) Gel Membrane in LiCI Solution, 2843P
—; Zheng, Z.-J.; Pan, L.; Pan, D.; Li, Y.-S.: Syndiospecific Polymerization of Styrene with $CpTiCl((OCH(R)CH_2)_2NAr)$/MMAO, 1562C
Chen, J. J. See Cheng, K.-C., 42C
Chen, L.
—; Du, Y.; Tian, Z.; Sun, L.: Effect of the Degree of Deacetylation and the Substitution of Carboxymethyl Chitosan on Its Aggregation Behavior, 296P
—; See Chen, S., 1670C; Huang, B., 4517C; Qiu, X., 5177C
Chen, Q. See Ren, M., 553P, 3231P; Song, J., 2326P, 3222P
Chen, R.-S.
—; Chang, C.-J.; Chang, Y.-H.: Study n Siloxane-Modified Polyurethane Dispersions from Various Polydimethylsiloxanes, 3482C
Chen, S.
—; Sui, J.; Chen, L.; Pojman, J. A.: Polyurethane–Nanosilica Hybrid Nanocomposites Synthesized by Frontal Polymerization, 1670C
—; See Zhang, X., 5944C
Chen, S.-H.
—; Chen, Y.: Optical and Electrochemical Properties of Copoly(aryl ether)s Consisting of Alternate 2,5-Distyrylbenzene and Electron-Transporting Oxadiazole or Triazole Derivatives, 5083C
Chen, T. See Jiang, G., 5554C; Liu, Z., 1019C, 3447C;
Chen, T.-P. See Liaw, D.-J., 4233C
Chen, W. See Ling, J., 1787C; Yu, Y., 6105C
Chen, W.-F. See Kuo, P.-L., 3359C
Chen, W.-Y. See Wu, J.-Y., 3242P
Chen, X.
—; Pelton, R.; Ruckenstein, E.: Long-Term Stability of an Ambient Self-Curable Latex Based on Colloidal Dispersions in Water of Two Reactive Polymers, 2598C
—; See Pang, X., 6605C; Qiu, X., 5177C; Zhao, Y.-F., 2666C
Chen, X.-F. See Gao, L.-C., 5935C
Chen, X.-S. See Guan, G., 4771C, 1144C
Chen, Y. See Chen, S.-H., 5083C; Hsieh, B.-Y., 5009C; Yu, X., 1526C
Chen, Y.-C. See Tsai, J.-C., 2304C
Chen, Z.
—; Cai, J.; Zhang, L.; Liu, Y.; Jiang, X.; Yang, C.: End-Grafting Copolymers of Styrene and 4-Vinylpyridine on an Interacting Solid Surface, 1332P

—; Li, T.; Liu, X.; Lü, R.: Friction and Wear Mechanisms of Polyamide 66/High Density Polyethylene Blends, 2514P
—; Sun, Y.: Antimicrobial Polymers Containing Melamine Derivatives. II. Biocidal Polymers Derived from 2-Vinyl-4,6-diamino-1,3,5-triazine, 4089C
Cheng, C. See Tang, R., 3126C
—; Wooley, K. L.; Khoshdel, E.: Hyperbranched Fluorocopolymers by Atom Transfer Radical Self-Condensing Vinyl Copolymerization, 4754C
Cheng, C.-X.
—; Tang, R.-P.; Xi, F.: Multiple Morphologies from a Novel Diblock Copolymer Containing Dendronized Polymethacrylate and Linear Poly(ethylene oxide), 2291C
Cheng, K.-C.
—; Chen, J.-J.; Chiu, W.-Y.; Wang, L. Y.; Wang, P.-C.: Rate Enhancement for Nitroxide Stable Free Radical Polymerization of *n*-Butyl Acrylate by Dodecylbenzenesulfonic Acid, 42C
Cheng, R. See Zhang, X., 4857C
Cheng, S. Z. D.:
—; Viewpoint: Design and Engineering of Polymer/Macromolecular Structures on the 2–100 nm Length Scale: A Personal View on Structural Research, 3361P
Cheng, Z. See Cong, Y., 2181P; Xu, W., 543C
Cheng, Z. F. See Liu, Q. L., 2541P, 3299P
Cheong, C. See Jones, J. A., 6095C
Cheuk, K. K. L. See Lai, L. M., 3701C
Cheung, W. Y. See Lam, T. Y., 2334P
Chi, Y. See Su, H.-J., 859C
Chiang, C.-L. See Ma, C.-C. M., 1076P
Chiba, T. See Kobayashi, M., 2754C
Chipara, M.
—; Morjan, I; Alexandrescu, R.; Zaleski, J. M.; Remmes, N.; Baxter, D. V.: Magnetic Investigations of Titanium-Doped Gamma Iron Oxides Dispersed in Polymers, 3432P
—; Zaleski, J. M.; Hui, D.; Du, C.; Pan, N.: Electron Spin Resonance on Carbon Nanotubes–Polymer Composites, 3406P
Chitanu, G. C. See Aldea, G., 5814C
Chiteme, C. See McLachlan, D. S., 3273P
Chiu, T. Y. J.
—; Stenzel, M. H.; Davis, T. P.; Barner-Kowollik, C.: Transesterification of Poly(ethyl-α-hydroxymethacrylate) Prepared Via Reversible Addition–Fragmentation Chain Transfer Polymerization, 5699C
Chiu, W.-Y. See Cheng, K.-C., 42C; Lee, C.-F., 342C; Li, C.-Y., 4870C; Lin, C.-L., 5923C; Wang, P.-C., 1342C
Chiu, Y.-S. See Liu, Y.-L., 5787C; Ma, C.-C. M., 345P
Chkhaidze, E. See Guo, K., 1463C
Cho, H. See Li, G. Z., 355C
Cho, H.-J. See Lee, J., 1845C
Cho, J.-D.
—; Ju, H.-T.; Hong, J.-W.: Photocuring Kinetics of UV-Initiated Free-Radical Photopolymerizations with and without Silica Nanoparticles, 658C
Cho, M. S. See Lee, D. H., 59P
Cho, N.-S. See Hong, J.-T., 2790C
Choe, S., See Jin, J. M., 5343C; Jung, H., 3566C; Yang, S., 1309C
Choi, N. See Lee, H.-J., 870C
Choi, S. H. See Lee, D. H., 59P
Choi, S. W. See Lee, S. M., 3019P
Choi, U. S. See Ko, Y. G., 1238C
Chon, D. See Goodman, C. C., 2657C
Chou, C.-I. See Liu, Y.-L., 5267C
Chou, H.-L.
—; Lin, K.-F.; Fan, Y.-L.; Wang, D.-C.: Enhancing Quantum Efficiency of MEH-PPV Through the Reduction of Chain Aggregations by Thermal Treatments, 1705P
Choudhury, N. R. See Dutta, N. K., 1392P
Chow, W. S.
—; Ishak, Z. A. M; Karger-Kocsis, J.: Atomic Force Microscopy Study on Blend Morphology and Clay Dispersion in Polyamide-6/Polypropylene/Organoclay Systems, 1198P
Chowdhuri, Z. See Sakai, V. G., 2914P
Choy, C. L. See Lam, T. Y., 2334P
Chreim, Y. See Karaky, K., 5186C
Christodoulou, S.
—; Iatrou, H.; Lohse, D. J.; Hadjichristidis, N.: Anionic Copolymerization of Styrenic-Tipped Macromonomers: A Route to Novel Triblock–Comb Copolymers of Styrene and Isoprene, 4030C
Chu, C. C. See Guo, K., 1463C, 3932C
Chu, C.-C. See Zhang, X.-Z., 5490C
Chuai, Y. See Tang, R., 3126C
Chuang, S.-W. See Hsu, S. L.-C., 6020C
Chuang, W.-P. See Kuan, H.-C., 1P
Chujo, Y. See Gelover-Santiago, A., 6592C; Kim, K.-M., 473C; Naka, K., 4600C; Ogoshi, T., 3543C
Chun, C.
—; Ghim, J.; Kim, M.-J.; Kim, D.-Y.: Photofabrication of Surface Relief Gratings from Azobenzene Containing Perfluorocyclobutane Aryl Ether Polymer, 3525C
Chung, I. J. See Koo, C. M., 158P
Chung, T. C. See Cao, C., 429C; Kandil, U., 1858C
Chung, T. S. See Teoh, M. M., 2230P
Cianga, I. See Yurteri, S., 879C
Cianga, L.
—; Sarac, A.; Ito, K.; Yagci, Y.: Synthesis and Characterization of New Alternating, Amphiphilic, Comblike Copolymers of Poly(ethylene oxide) Macromonomer and *N*-Phenylmaleimide, 479C
Cimrová, V. See Mikroyannidis, J. A., 3079C
Cloninger, M. J. See Morgan, J. R., 3059C
Cocca, M.
—; D'Arienzo, L.; D'Orazio, L.; Gentile, G.; Martuscelli, E.: Synthesis of Poly(urethane urea) by *In Situ*

Polymerization Inside Stone, 542P
Cocco, R. G.
—; Frontini, P. M.; Perez Ipiña, J. E.: Fracture Toughness of Polymers in the Ductile-to-Brittle Transition Region: Statistical Approach and Lower Bound Determination, 3674P
Coelho, J. F. J. See Percec, V., 773C, 779C, 1649C
Cole, K. C. See Leelapornpisit, W., 2445P
Collins, S. See Nele, M., 1797C
Colombini, D.
—; Hassander, H.; Karlsson, O. J.; Maurer, F. H. J.: Effects of Thermal Annealing on the Viscoelastic Properties and Morphology of Bimodal Hard/Soft Latex Blends, 2289P
Colonna, M. See Vannini, L., 1441P
Cong, Y.
—; Fu, J.; Cheng, Z.; Li, J.; Han, Y.; Lin, J.: Self-Organization and Luminescent Properties of Nanostructured Europium (III)—Block Copolymer Complex Thin Films, 2181P
Consolati, G.
—; Quasso, F.; Simha, R.; Olson, B. G.: On the Relation Between Positron Annihilation Lifetime Spectroscopy and Lattice-Hole-Theory Free Volume, 2225P
Copley, J. R. D. See Sakai, V. G., 2914P
Corio, P. See Do Nascimento, G. M., 815C
Cormack, P. A. G. See Fontanals, N., 1718C
Cortés, J. See Fontanals, N., 1718C
Coşkun, R. See Soykan, C., 2901C
Costa, G. See Xin, Z., 314P
Costantino, U. See Tammaro, L., 2281C
Coudane, J. See Huang, M.-H., 4196C
Cousseau, J. See Aldea, G., 5814C
Coveney, P. V. See Chen, B., 1785P
Cramer, M. L. See Henry, R. M., 1842P
Crescenzi, V. See Masci, G., 4446C
Creton, C. See Sosson, F., 3316P
Crivello, J. V. See Bulut, U., 3205C; Falk, B., 2504C
—; Bulut, U.: Curcumin: A Naturally Occurring Long-Wavelength Photosensitizer for Diaryliodonium Salts, 5217C
Cruz, V. See Martínez, S., 711C
Cuervo-Rodríguez, R.
—; París-Escribano, R.; Fernández-Monreal, M. C.; Madruga, E. L.; Fernández-García, M.: Influence of Aggregate Formation in the Copolymerization of Ethyl α-Hydroxymethylacrylate with Methyl Methacrylate, 4187C
Cui, D. See Pang, X., 6605C
Cui, M.
—; Li, Z.; Xi, J.; Zheng, S.; Tang, X.: Synthesis, Characterization, and Properties of Polysilaethers Containing Moiety Si—H Bonds in the Side Chain, 2476C
Cui, N. See Zhang, Z., 984C
Cui, X.
—; Yan, D.: Polymorphism and Crystalline Transitions of the Novel Even–Odd Nylons Derived from Undecanedioic Acid, 2048P
Cui, Z. See Li, G., 4012C
Cunningham, M. F. See Bian, K., 2145C
—; Chatterton, M.; Puskas, J. E.: Thymine-Functionalized Polystyrenes for Applications in Biotechnology. III. Increasing the Thymine Loading via a New Synthetic Pathway, 5545C
Czaja, K. See Bialek, M., 5562C

Da Silva, L. F. See Galland, G. B., 4744C
D'Agosto, F. See Sahnoun, M., 3551C
Dagron-Lartigau, C. See Bianchi, C., 4337C
Dahan, A.
—; Portnoy, M.: Dendrons and Dendritic Catalysts Immobilized on Solid Support: Synthesis and Dendritic Effects in Catalysis, 235C
Dai, L. L.
—; Granick, S.: Linear Shear Viscoelasticity of Confined, End-Attached Polymers in a Near-Theta Solvent, 3487P
Dai, S.
—; Tam, K. C.; Jenkins, R. D.: Dynamic Light Scattering of Semidilute Hydrophobically Modified Alkali-Soluble Emulsion Solutions with Different Lengths of Poly(ethylene oxide) Spacer Chain, 3288P
Dai, S. A. See Chen, C.-P., 682C
Dalhaimer, P.
—; Wagner, O. I.; Leterrier, J.-F.; Janmey, P. A.; Aranda-Espinoza, H.; Discher, D. E.: Flexibility Transitions and Looped Adsorption of Wormlike Chains, 280P
Dalmas, F.
—; Chazeau, L.; Gauthier, C.; Masenelli-Varlot, K.; Dendievel, R.; Cavaillé, J. Y.; Forró, L.: Multiwalled Carbon Nanotube/Polymer Nanocomposites: Processing and Properties, 1186P
Dalnoki-Verees, K.
—; Introduction, 3355P
Dalnoki-Veress, K. See Massa, M. V., 3438P
Danko, M.
—; Libiszowski, J.; Biela, T.; Wolszczak, M.; Duda, A.: Molecular Dynamics of Star-Shaped Poly(L-lactide)s in Tetrahydrofuran as Solvent Monitored by Fluorescence Spectroscopy, 4586C
Dargaville, T. R.
—; Celina, M.; Chaplya, P. M.: Evaluation of Piezoelectric Poly(vinylidene fluoride) Polymers for Use in Space Environments. I. Temperature Limitations, 1310P
—; Celina, M.; Martin, J. W.; Banks, B. A.: Evaluation of Piezoelectric PVDF Polymers for Use in Space Environments. II. Effects of Atomic Oxygen and Vacuum UV Exposure, 2503P
Dargent, E. See Doudou, B. B., 2604P
D'Arienzo, L. See Cocca, M., 542P
Das, N. C.
—; Wang, H.; Mewis, J.; Moldenaers, P.: Rheology and Microstructures Formation of Immiscible Model Polymer Blends Under Steady State and Transient Flows, 3519P
Dasari, A. See Yu, Z.-Z., 1100P

David, G. See Albertsson, A.-C., 5889C
David, L. See Bershtein, V. A., 3261P
Davis, T. P. See Biasutti, J. D., 2001C; Chiu, T. Y. J., 5699C
de A. Prado, Luís A. S.
—; Goerigk, G.; Ponce, M. L.; Garamus, V. M.; Wittich, H.; Willumeit, R.; Schulte, K.; Nunes, S. P.: Characterization of Proton-Conducting Organic-Inorganic Polymeric Materials by ASAXS, 2981P
De Abajo, J. See Ayala, V., 112C; Ferreiro, J. J., 5300C
De Fátima Vieira Marques, M. See Bastos, Q. C., 263C
De Gennes, P.-G.
—; Viewpoint: On Polymer Glasses, 3365P
De Groot, J. H. See Heijkants, R. G. J. C., 716P
De Ilarduya, A. M. See Gómez, F., 92C
De La Campa, J. G. See Ayala, V., 112C; Ferreiro, J. J., 5300C
De La Cruz, M. O. See Loverde, S. M., 796P
De La Fuente, J. L. See París, R., 2395C; París, R., 6247C
De Micco, C.
—; Aldao, C. M.: Radiation Contribution to the Thermal Conductivity of Plastic Foams, 190P
De Pablo, J. J. See Edwards, E. W., 3444P; Guzmán, O.1033P
De Saja, J. A. See Campo-Arnáiz, R. A.,1608P
De Sarkar, M. See Bandyopadhyay, A., 2399P
De Waal, B. F. M. See Broeren, M. A. C., 6431C
Dean, D. M. See Lee, L.-B. W., 97P, 413P
Debisschop, C. S. See Lewis, L. L., 5774C
Debuigne, A. See Caille, J.-R., 2723C
Delair, T. See Sahnoun, M., 3551C
Delaite, C. See Flesch, C., 3221C; Glaied, O., 2440C
Delaunay, J. See Aldea, G., 5814C
Deleebeeck, L. See Oh, J. K., 5632C
Delellio, L. See Van Durme, K., 1283P
Delgado, A. See Masson J.-F., 276P
Dell'Erba, I. E. See Bianchini, D., 5465C
Demirel, A. L. See Yurteri, S., 879C
Denault, J. See Leelapornpisit, W., 2445P
Denchev, Z. See Dencheva, N., 3720P
Dencheva, N.
—; Nunes, T. G.; Oliveira, M. J.; Denchev, Z.: Crystalline Structure of Polyamide 12 as Revealed by Solid-State ^{13}NMR and Synchrotron WAXS and SAXS, 3720P
Dendievel, R. See Dalmas, F., 1186P
Deng, C. See Guan, H.-L., 1144C
Deng, M. See Zhao, B., 3966C
Deng, Z.-W. See Xu, Z.-S., 2368C
Denizli, B. K.
—; Lutz, J.-F.; Okrasa, L.; Pakula, T.; Guner, A.; Matyjaszewski, K.: Properties of Well-Defined Alternating and Random Copolymers of Methacrylates and Styrene Prepared by Controlled/Living Radical Polymerization, 3440C
Denneler, S. See Bauer, F., 786P
Denniston, C. See Fraser, B., 970P
Desimone, J. M. See Liu, T., 2546C
Despond, S.
—; Espuche, E.; Cartier, N.; Domard, A.: Hydration Mechanism of Polysaccharides: A Comparative Study, 48P
Dharaiya, D. P.
—; Jana, S. D.: Nanoclay-Induced Morphology Development in Chaotic Mixing in Immiscible Polymers, 3638P
Di, C'A. See Huang, B., 4517C
Di, Y.
—; Iannace, S.; Di Maio, E.; Nicolais, L.: Poly (lactic acid)/ Organoclay Nanocomposites: Thermal, Rheological Properties and Foam Processing, 689P
—; See Yu, X., 1526C
Di Maio, E. See Di, Y., 689P; Sorrentino, L., 1966P
Dias, M. L. See Firme, C. L., 4248C
Diaz, M. See Barbosa, S., 2361P
Dickey, A. N.
—; Faller, R.: Investigating Interactions of Biomembranes and Alcohols: A Multiscale Approach, 1025P
D'Ilario, L. See Martinelli, A., 2725P
Dimonie, V. L. See Lai, Z., 2675C
Ding, L. See Liao, L., 280C
Ding, S. See Tang, H., 1432C
Ding, W. See Yu, T., 3127P
Ding, X. See Xu, X., 3153C
Ding, X. M.
—; Hu, J. L.; Tao, X. M.; Wang, Z. F.; Wang, B.: Free Volume and Water Vapor Transport Properties of Temperature-Sensitive Polyurethanes, 1865P
Ding, Y. See Xin, Z., 314P
Dirnberger, K. See Mansour, S. H., 3278C
Discher, D. E. See Dalhaimer, P., 280P
Dizman, B.
—; Mathias, L. J.: Synthesis and Self-Catalyzed Phase Transfer Reaction of Novel Methacrylate Polymers, 5844C
Do Nascimento, G. M
—; Corio, P.; Novickis, R. W.; Temperini, M. L. A.; Dresselhaus, M. S.: Synthesis and Characterization of Single-Wall-Carbon-Nanotube-Doped Emeraldine Salt and Base Polyaniline Nanocomposites, 815C
Dobrawa, R.
—; Würthner, F.: Metallosupramolecular Approach toward Functional Coordination Polymers, 4981C
Dobrzynski, P.
—; Pastusiak, M.; Bero, M.: Less Toxic Acetylacetonates as Initiators of Trimethylene Carbonate and 2,2-Dimethyltrimethylene Carbonate Ring Opening Polymerization, 1913C
Doi, M. See Yoshida, T., 5704C
Domard, A. See Despond, S., 48P
Dominguez, D. D. See Laskoski, M., 4136C
Don, T.-M. See Li, C.-Y., 4870C
Donati, A. See Cappelli, A., 3289C

Dong, C.-M. See Wang, J.-L., 5449C; Wang, L., 4721C
Dong, J.-Y. See Cao, C., 429C
Dong, L. See Chen C., 35P
Dong, T. See Shin, K.-M., 1433P
Dong, X. See Jiang, G., 5554C; Zhang, X.-Q., 2924P
Dong, Y.-L. See Hu, J.-S., 3315C, 4478C
Donkers, E. H. D.
—; Willemse, R. X. E.; Klumperman, B.: Chain-End Modification of Living Anionic Polybutadiene with Diphenylethylenes and Styrenes, 2536C
D'Orazio, L. See Cocca, M., 542P
Dorgan, J. R.
—; Janzen, J.; Knauss, D. M.; Hait, S. B.; Limoges, B. R.; Hutchinson, M. H.: Fundamental Solution and Single-Chain Properties of Polylactides, 3100P
dos Santos, J. H. Z. See Bianchini, D., 5465C
Dote, H. See Miura, Y., 3689C
Dotera, T. See Takano, A., 2427P
Doudou, B. B.
—; Dargent, E.; Marais, S.; Grenet, J.; Hirata, Y.: Barrier Properties and Microstructure Modifications Induced by Liquid Water for a Semiaromatic Polyamide, 2604P
Dragan, E. S.
—; Mihai, M.; Schauer, J.; Ghimici, L.: PAN Composite Membrane with Different Solvent Affinities Controlled by Surface Modification Methods, 4161C
Dresselhaus, M. S. See Do Nascimento, G. M., 815C
Drews, M. J. See Wang, M., 2196P
Drinkenburg, B. A. H. See Reynhout, X. E. E., 726C
Driva, P.
—; Iatrou, H.; Lohse, D. J.; Hadjichristidis, N.: Anionic Homo- and Copolymerization of Double-Tailed Macromonomers: A Route to Novel Macromolecular Architectures, 4070C
Drockenmuller, E.
—; Li, L. Y. T.; Ryu, D. Y.; Harth, E.; Russell, T. P.; Kim, H.-C.; Hawker, C. J.: Covalent Stabilization of Nanostructures: Robust Block Copolymer Templates from Novel Thermoreactive Systems, 1028C
Drummy, L. F. See Martin, D. C., 1749P
Drzal, P. L. See Vanlandingham, M. R., 1794P; White, C. C., 1812P
Du, C. See Chipara, M., 3406P
Du, F. See Yi, L., 4431C
Du, F.-S. See Meng, J.-Q., 752C
Du, H. See Pang, X., 6605C
Du, N.
—; Tian, R.; Peng, J.; Lu, M.: Synthesis and Photophysical Characterization of the Free-Radical Copolymerization of Metaloquinolate-Pendant Monomers with Methyl Methacrylate, 397C
Du, Q. See Yeh, J.-T., 511P
Du, R. See Wang, K., 2005P
Du, Y. See Chen, L., 296P
Du, Y.-Z.
—; Kodaka, M.: Preparation and Characterization of Biotinylated and Enzyme-Immobilized Heterobifunctional Latex Particles as Nanobio Devices, 562C
Duan, M.
—; Hu, X.; Ren, D.: Effects of Poly(N-isopropylacrylamide) on the Solution Properties of Hydrophobically Modified Acrylamide Copolymer, 709P
Duan, Q. See Miura, Y., 4271C
Duan, Y.-Q. See Tang, L.-M., 1681C
Dubinsky, S.
—; Lumelsky, Y.; Grader, G. S.; Shter, G. E.; Silverstein, M. S.: Thermal Degradation of Poly(acrylic acid) Containing Metal Nitrates and the Formation of $YBa_2Cu_3O_{7-x}$, 1168P
Dubois, P. See Gain, O., 205P
Dubolazov, A. V.
—; Güven, O.; Pekel, N.; Mun, G. A.; Nurkeeva, Z. S.: Factors Affecting the Complexation of Polyacrylic Acid with Uranyl Ions in Aqueous Solutions: A Luminescence Study, 2737P
Dubreucq, L. See Caouthar, A., 6480C
Duda, A. See Biela, T., 6116C; Danko, M., 4586C
Dudkina, M. M.
—; Aseev, V.; Tenkovtsev, A.; Tenhu, H.: Interaction and Ionic Network Formation Process between Polyamidine and Nonlinear Optically Active Dyes, 398P
—; Tenkovtsev, A. V.; Pospiech, D.; Jehnichen, D.; Häußler, L.; Leuteritz, A.: Nanocomposites of NLO Chromophore-Modified Layered Silicates and Polypropylene, 2493P
Duguet, E. See Flesch, C., 3221C
Dumas, P. See Flesch, C., 3221C; Glaied, O., 2440C
Dumas, R. See Gravano, S. M., 3675C
Dutta, N. K.
—; Tran, N. D.; Choudhury, N. R.: Perfluoro(methylcyclohexane) Plasma Polymer Thin Film: Growth, Surface Morphology, and Properties Investigated by Scanning Thermal Microscopy, 1392P

Ebdon, J. R. See Martín, C., 6419C
Echevskaya, L. G. See Mikenas, T. B., 2128C
Edmonds, W. F. See Zhu, S., 3685P
Edwards, E. W.
—; Stoykovich, M. P. Müller, M.; Solak, H. H.; de Pablo, J. J.; Nealey, P. F.: Mechanism and Kinetics of Ordering in Diblock Copolymer Thin Films on Chemically Nanopatterned Substrates, 3444P
Egorov, V. M. See Bershtein, V. A., 3261P
Eguiazábal, J. E. See González, I., 3611P
Eichhorn, K.-J. See Elrehim, M. A., 3376C
Eick, J. D. See Miller, M. D., 5962C
Eisen, M. S. See Volkis, V., 4505C
El-Aasser, M. S. See Lai, Z., 2675C
Eliasson, B. See Vestberg, R., 1177C
Elkins, C. L.
—; Park, T.; Mckee, M. G.; Long, T. E.: Synthesis and Characterization of Poly(2-ethylhexyl methacrylate) Copolymers Containing Pendant, Self-Complementary Multiple-

Hydrogen-Bonding Sites, 4618C
Elrehim, M. A.
—; Voit, B.; Bruchmann, B.; Eichhorn, K.-J.; Grundke, K.; Bellmann, C.: Structural and End-Group Effects on Bulk and Surface Properties of Hyperbranched Poly(urea urethane)s, 3376C
Ema, K. See Yamanaka, A., 1495P, 2754P
Emilitri, E.
—; Ranucci, E.; Ferruti, P.: New Poly(amidoamine)s Containing Disulfide Linkages in Their Main Chain, 1404C
Emrick, T. See Breitenkamp, K., 5715C; Sill, K., 5429C
Endo, R. See Uddin, A. J., 1640P
Endo, T. See Hino, T., 1729C, 5323C, 6599C; Kamimura, Y., 1210C; Komatsu, H., 4260C; Motokucho, S., 3711C; Nagai, A., 1554C; Ochiai, B., 584C, 1014C, 5097C, 5899C;, 6282C;, 6613C; Suzuki, A., 5498C; Uenishi, K., 4422C, 5119C, 6492C; Yamamoto, S.-I., 4578C; Zhang, C., 2643C
Eo, Y.-J.
—; Lee, T. H.; Kim, S. Y.; Kang, J. K.; Han, Y. S.; Bae, B.-S.: Synthesis and Molecular Structure Analysis of Nano-Sized Methacryl-Grafted Polysiloxane Resin for Fabrication of Nano Hybrid Materials, 827P
Erdodi, G.
—; Kennedy, J. P.: Ideal Tetrafunctional Amphiphilic PEG/PDMS Conetworks by a Dual-Purpose Extender/Crosslinker. I. Synthesis, 4953C
—; Kennedy, J .P.: Ideal Tetrafunctional Amphiphilic PEG/PDMS Conetworks by a Dual-Purpose Extender/Crosslinker. II. Characterization and Propertries of Water-Swollen Membranes, 4965C
—; Kennedy, J. P.: Water-Swollen Highly Oxygen Permeable Membranes: Analytical Technique and Syntheses, 3491C
—; See Nugay, N., 630C
Ermoshkin, A. V. See Loverde, S. M., 796P
Espartero, J. L. See Zamora, F., 6394C
Espuche, E. See Despond, S., 48P; Gain, O., 205P
Evans, J. R. G. See Chen, B., 1785P
Evans, K. E. See Smith, C. W., 2280P
Everaers, R. See Sukumaran, S. K., 917P
Everett, M. L.
—; Hoflund, G. B.: Chemical Alteration of Poly(tetrafluoroethylene) Teflon Induced by Exposure to Vacuum Ultraviolet Radiation and Comparison with Exposure to Hyperthermal Atomic Oxygen, 552C
Exposito, M. T. See Martínez, S., 711C
Ezell, R. G. See Vasilieva, Y. A., 3141C

Fainleib, A. M. See Bershtein, V. A., 3261P
Faliagas, A. C.
—; Dependence of the Cyclization Behavior of Multifunctional Network Molecules on Molecular Size, 861P
Falk, B.
—; Zonca, M. R., Jr.; Crivello, J. V.: Modification of Photoinitiated Cationic Epoxide Polymerizations by Sulfides, 2504C
Faller, R. See Dickey, A. N., 1025P
Fan, Q. See Li, B., 378P
Fan, S.-C. See Kricheldorf, H. R., 6272C
Fan, X. See Wu, D., 2807P; Zhao, Y.-F., 2666C
Fan, X.-D. See Liu, Y.-Y., 3516C; Qiao, W.-Q., 3067C; Si, Q.-F., 1883C
Fan, X.-H. See Gao, L.-C., 5935C
Fan, Y.-L.
—; Lin, K.-F.: Dependence of the Luminescent Properties and Chain Length of Poly[2-methoxy-5-(2′-ethyl-hexyloxy)-1,4-phenylene vinylene] on the Formation of *cis*-Vinylene Bonds during Glich Polymerization, 2520C
—; See Chou, H.-L., 1705P
Fan, Z. See Rong, W., 2243P; Wang, Q., 1559C
Fang, F.
—; Zhang, M. Z.; Huang, J. F.: Deformation and Fracture Behavior of Poly(vinylidene fluoride-trifluorethylene) Ferroelectric Copolymer Films under Uniaxial Tension, 3255P
Fang, Q. See Ren, S., 6554C
Fang, Y
—; Liu, B.; Hasebe, K.; Terano, M.: Ethylene and 1-Hexene Copolymerization with CO-Prereduced Phillips CrO_x/SiO_2 Catalyst in the Presence of Al–Alkyl Cocatalyst, 4632C
—; See Tang, L., 2921C
Farah, A. A.
—; Pietro, W. J.: Synthesis and Characterization of Multifunctional Polymers Via Atom Transfer Radical Polymerization of *N*-(ω¢-Alkylcarbazolyl) Methacrylates Initiated by Ru(II) Polypyridyl Chromophores, 6057C
Faria, R. M. See Bianchi, R. F., 74P
Farmer, B. L. See Anderson, K. L., 1014P; Helfer, C. A., 886P; Mattice, W. L., 1260P; Pandey, R. B., 1041P, 3478P
Farris, R. J. See Xu, T., 2767P
Farwaha, R. See Oh, J. K., 5632C; Wu, J., 5581C
Fasce, D. P. See Bianchini, D., 5465C
Feng, W.
—; Isayev, A. I.: High-Power Ultrasonic Treatment of Butyl Rubber Gum: Structure and Properties, 334P
Feng, Y.
—; Klee, D.; Höcker, H.: Lipase-Catalyzed Ring-Opening Polymerization of 6(S)-Methyl-morpholine-2,5-dione, 3030C
—; Zhang, S.: Hydrophilic–Hydrophobic AB Diblock Copolymers Containing Poly(trimethylene carbonate) and Poly(ethylene oxide) Blocks, 4819C
Feng, Z.-G. See Wei, H., 2941C
Fernandes, E. G. See Carlini, C., 1978C
Fernandez, X.
—; Salla, J. M.; Serra, A.; Mantecón, A.; Ramis, X.: Cationic Copolymerization of Cycloaliphatic Epoxy Resin with a Spirobislactone with Lanthanum Triflate as Initiator: I. Characterization and Shrinkage, 3421C

Fernández-García, M. See Cuervo-Rodríguez, R., 4187C; Martínez, G., 18C; Muñoz-Bonilla, A., 71C, 4828C
Fernández-Monreal, M. C. See Cuervo-Rodríguez, R., 4187C
Ferreiro, J. J.
—; De La Campa, J. G.; Lozano, A. E.; De Abajo, J.: Polyisophthalamides with Heteroaromatic Pendent Rings: Synthesis, Physical Properties, and Water Uptake, 5300C
Ferruti, P. See Emilitri, E., 1404C
Ficek, B. See Oxman, J. D., 1747C
Fijten, M. W. M. See Hoogenboom, R., 1487C
—; Paulus, R. M.; Schubert, U. S.: Systematic Parallel Investigation of RAFT Polymerizations for Eight Different (Meth)Acrylates: A Basis for the Designed Synthesis of Block and Random Copolymers, 3831C
Filisko, F. E. See Menna, T. J., 1124P
Finelli, L.
—; Gazzano, M.; Lotti, N.; Malta, V.; Munari, A.: Crystal Structure of Poly(dithiotriethylene adipate), 2677P
—; See Vannini, L., 1441P
Firme, C. L.
—; Grafov, A. V.; Dias, M. L.: Ethylene and Propylene Polymerization with Bis(Indenyl) Zirconium/Mao Catalytic Systems Modified by Sterically Demanding Alcohols, 4248C
Flagler, K. See Jones, J. A., 6095C
Flammini, A. See Marenduzzo, D., 650P
Flesch, C.
—; Bourgeat-Lami, E.; Mornet, S.; Duguet, E.; Delaite, C.; Dumas, P.: Synthesis of Colloidal Superparamagnetic Nanocomposites by Grafting Poly(ϵ-caprolactone) from the Surface of Organosilane-Modified Maghemite Nanoparticles, 3221C
Fonseca, L. P. See Silva, C. M., 2448C
Fontanals, N.
—; Cortés, J.; Galià, M.; Marcé, R. M.; Cormack, P. A. G.; Borrull, F.; Sherrington, D. C.: Synthesis of Davankov-Type Hypercrosslinked Resins Using Different Isomer Compositions of Vinylbenzyl Chloride Monomer, and Application in the Solid-Phase Extraction of Polar Compounds, 1718C
Forbes, M. D. E. See Harbron, E. J., 2097P
Forcada, J. See Ramos, J., 3878C
Ford, W. T. See Miranda, L. N., 4666C
Forró, L. See Dalmas, F., 1186P
Fossum, E. See Himmelberg, P., 3178C
Fradet, A. See Néry, L., 1331C
Fragiadakis, D. See Kotsilkova, R., 522P
François, B. See Bianchi, C., 4337C
François, J. See Karaky, K., 5186C
Fraschini, C.
—; Plesu, R.; Sarasua, J.-R.; Prud'Homme, R. E.: Cracking in Polylactide Spherulites, 3308P
Fraser, B.
—; Denniston, C.; Müser, M. H.: Diffusion, Elasticity, and Shear Flow in Self-Assembled Block Copolymers: A Molecular Dynamics Study, 970P
Frey, M. W. See Kim, C.-W., 1673P
—; Chan, H.; Carranco, K.: Rheology of Cellulose/KSCN/Ethylenediamine Solutions and Coagulation into Filaments and Films, 2013P
Fritsch, D. See Kricheldorf, H. R., 6272C
Frontini, P. M. See Cocco, R. G., 3674P
Fu, J. See Cong, Y., 2181P
Fu, Q. See Wan, D., 5652C; Wang, K., 2005P
Fuhrhop, J.-H. See Guangtao, L., 4547C
Fujisawa, K. See Higashimura, H., 1955C
Fujishiro, H. See Yamanaka, A., 1495P, 2754P
Fujiwara, N. See Baigude, H., 2195C
Fukiishi, H. See Itagaki, H., 680P
Fukukawa, K.-I. See Toyokawa, F., 2527C; Watanabe, Y., 593C
Fukumoto, H.
—; Kimura, R.; Sasaki, S.; Kubota, K.; Yamamoto, T.: Regioregular Head-to-Tail Poly(6-alkylpyridine-2,5-diyl)s and a New Type of Packing Structure of the Polymer in the Solid State, 215P
Furó, I. See Nyström, A. M., 4496C

Gädda, T. M.
—; Weber, W. P.: Pt-Catalyzed Chemical Modification of α,ω-Bis(hydrido)polydimethylsiloxanes and Copoly(methylhydridosiloxane/dimethylsiloxane) with Vinylheptaphenylcyclotetrasiloxane, 3007C
—; Weber, W. P.: Synthesis and Characterization of *alt*-Copoly(carbosiloxane)s Containing Oligodiphenylsiloxane Segments, 2155C
—; See Lee, N. S., 6146C
Gain, O.
—; Espuche, E.; Pollet, E.; Alexandre, M.; Dubois, P.: Gas Barrier Properties of Poly(ϵ-caprolactone)/Clay Nanocomposites: Influence of the Morphology and Polymer/Clay Interactions, 205P
Gal, Y.-S. See Jin, S.-H., 5062C
Galbis, J. A. See Zamora, F., 4570C, 6394C
Galgali, G. See Ray, S., 304C
Galià, M. See Alcón, M. J., 3510C; Fontanals, N., 1718C; Lligadas, G., 6295C
Galland, G. B.
—; Da Silva, L. F.; Nicolini, A.: Tacticity of Poly-α-olefins from Poly-1-hexene to Poly-1-octadecene, 4744C
—; See Bianchini, D., 5465C
Galletti, A. M. R. See Carlini, C., 1978C
Gao, H. See Bao, F., 5535C
Gao, L.-C.
—; Pan, Q.-W.; Yi, Y.; Fan, X.-H.; Chen, X.-F.; Zhou, Q.-F.: Copolymers of 2,5-Bis[(4-methoxyphenyl)oxycarbonyl]styrene with *n*-Butyl Acrylate: Design, Synthesis, and Characterization, 5935C

Gao, S. See Liu, Z., 3447C
Gao, Y
—; Kogler, F. R.; Schubert, U.: Improvement of the Thermal Stability of Cluster-Crosslinked Polystyrene and Poly(methyl methacrylate) by Optimization of the Polymerization Conditions, 6586C
—; Shreeve, J. M.: Main Chain 1,1′-Ferrocene-Containing Polyelectrolytes Exhibiting Thermotropic Liquid-Crystalline and Fluorescent Properties, 974C
—; See Xin, Z., 314P; Yu, Y., 6105C
Garaleh, M. See Kricheldorf, H. R., 4781C
Garamus, V. M. See de A. Prado, Luis, A. S., 2981P
Garay, M. T. See Laza, J. M., 1548P
García, J. M. See Ayala, V., 112C
García-Cañadas, J.
—; Rodríguez, J. G.; Lafuente, A.; Marcos, M. L.; Velasco, JG.: Electropolymerization of Phenylacetylene in Acetonitrile, 2407C
García-Serrano, J. See Velumani, S., 3058P
Garnaik, B. See Shyamroy, S., 2164C
Gauthier, C. See Dalmas, F., 1186P
Gavina, J. M. A. See Abd-El-Aziz, A. S., 1382C
Gawdzik, B. See Maciejewska, M., 3049C
Gazzano, M. See Finelli, L., 2677P
Geerts, Y. See Nomura, K., 6166C
Gelover-Santiago, A.
—; Naka, K.; Chujo, Y.: Oxidation Polymerization of a Charge-Transfer Complex of 2,6,-Bis(2-thienyl)-1,4-dithiafulvene with 7,7,8,8,-Tetracyanoquinodimethane, 6592C
Gentile, G. See Cocca, M., 542P
Genzer, J. See Bhat, R. R., 3384P
George, K. E. See Rajan, M., 575C
Gerhard, D. See Bruaseth, I., 2584C
Géribaldi, S. See Saäidi, S., 3737C
Ghim, J. See Chun, C., 3525C
Ghimici, L.
—; Nichifor, M.: Electrical Conductivity of Some Cationic Polysaccharides. I. Effects of Polyelectrolyte Concentration, Charge Density, Substituent at the Ionic Group, and Solvent Polarity, 3584P
—; See Dragan, E. S., 4161C
Giacomelli, L. See Masci, G., 4446C
Giamberini, M.
—; Ronda, J. C.; Reina, J. A.: Poly (epichlorohydrin) Modified with 3,4,5-Tris(dodecyloxy)benzoate: The Structure and Dynamics of the Aliphatic Side Chains in the Columnar Mesophase, 2099C
Gil-Rubio, J. See Vicente, J., 3167C
Gilbert, R. G. See Prescott, S. W., 1076C; Seabrook, S. A., 1357C
Giorgi, G. See Cappelli, A., 3289C
Gitsov, I. See Zhu, C., 4017C
Glaied, O.
—; Delaite, C.; Hurtrez, G.; Joubert, M.; Dumas, P.: Oxazoline-Terminated Macromonomers by the Alkylation of 2-Methyl-2-oxazoline, 2440C
Glaser, S. See Abayasinghe, N. K., 5257C
Gnanou, Y. See Grande, D., 519C; Quémener, D., 217C
Goderis, B. See Joubert, D. J., 3000P
Goerigk, G. See de A. Prado, Luis, A. S., 2981P
Goh, Y.-K.
—; Whittaker, M. R.; Monteiro, M. J.: Controlled Radical Polymerization of Styrene and Methyl Acrylate in the Presence of Reversible Addition–Fragmentation Chain Transfer Agents, Phenylethyl Phenyl Dithioacetate and Phenyldithioacetic Acid, 5232C
Gohy, J. F. See Kampp, N., 193P
Gómez, F.
—; Quintana, R.; De Ilarduya, A. M.; Rudé, E.; Muñoz-Guerra, S.: Poly(butylene terephthalate-*co*-5-*tert*-butyl isophthalate) Copolyesters: Synthesis, Characterization, and Properties, 92C
Gómez, M. A. See Laredo, E., 1408P
Gong, B. See Hua, F., 1119C
Gong, J. P. See Kaneko, D., 562P
González, I.
—; Eguiazábal, J. I.; Nazábal, J.: Compatibilization Level Effects on the Structure and Mechanical Properties of Rubber-Modified Polyamide-6/Clay Nanocomposites, 3611P
Gonzalez, S. O. See Acosta, E. J., 168C
Goodman, C. C.
—; Roof, A. C.; Tillman, E. S.; Ludwig, B.; Chon, D.; Weigley, M. I.: Synthesis and Characterization of Fluorene End-labeled Polystyrene with Atom Transfer Radical Polymerization, 2657C
Gorrasi, G.
—; Tortora, M.; Vittoria, V.: Synthesis and Physical Properties of Layered Silicates/Polyurethane Nanocomposites, 2454P
Goto, H.
—; Akagi, K.: Synthesis of a Pyrrole-Based Methine Bridge Type Liquid-Crystalline Conjugated Polymer, 616C
—; Nomura, N.; Akagi, K.: Electrochemical Polymerization of 3,4-Ethylenedioxythiophene in a DNA Liquid-Crystal Electrolyte, 4298C
Goto, M. See Sato, H., 753P
Gotoh, Y. See Uddin, A., J.1640P
Gotoh, Y.B See Yamaguchi, T., 1090P
Goudeau, S. See Milano, G., 871P
Gowd, E. B. See Ranganathan, T., 1903C
Grader, G. S. See Dubinsky, S., 1168P
Grafov, A. V. See Firme, C. L., 4248C
Gramm, S.
—; Komber, H.; Schmaljohann, D.: Copolymerization Kinetics of *N*-Isopropylacrylamide and Diethylene Glycol Monomethylether Monomethacrylate Determined by Online NMR Spectroscopy, 142C

Grande, D.
—; Guerrero, R.; Gnanou, Y.: Cyanoxyl-Mediated Free-Radical Polymerization of Acrylic Acid: Its Scope and Limitations, 519C
Granet, R. See Joly, N., 407C
Granick, S. See Dai, L. L., 3487P; Hong, L., 3497P
Grassl, B. See Bianchi, C., 4337C
Gravano, S. M.
—; Dumas, R.; Liu, K.; Patten, T. E.: Methods for the Surface Functionalization of γ-Fe_2O_3 Nanoparticles with Initiators for Atom Transfer Radical Polymerization and the Formation of Core-Shell Inorganic-Polymer Structures, 3675C
Greenwell, H. C. See Chen, B., 1785P
Grenet, J. See Doudou, B. B., 2604P
Grest, G. S. See Sukumaran, S. K., 917P
Griffin, A. C. See Lu, X., 3394C
Grigoras, C.
—; Percec, V.: Arenesulfonyl Bromides: The Second Universal Class of Functional Initiators for the Metal-Catalyzed Living Radical Polymerization of Methacrylates, Acrylates, and Styrenes, 319C
—; See Percec, V., 3920C, 4894C, 5283C
Grigorieva, O. See Bershtein, V. A., 3261P
Grimau, M. See Laredo, E., 1408P
Groeninckx, G. See Harrats, C., 22P
Grønbech-Jensen, N. See Tapia-McClung, H., 911P
Grozdanov, A.
—; Buzarovska, A.; Bogoeva-Gaceva, G.; Nedkov, E.: Nonisothermal Melting and Crystallization of Polypropylene in Model Composites: Kinetic Analysis, 66P
Grubbs, R. B.
—; Hybrid Metal–Polymer Composites from Functional Block Copolymers, 4323C
—; See Aubrecht, K. B., 5156C; Wegrzyn, J. K., 2977C
Grundke, K. See Elrehim, M. A., 3376C
Gu, Y. See Liu, X., 1997P
Guan, G. See Liu, X., 2694P
Guan, H.-L.
—; Deng, C.; Xu, X.-Y.; Liang, Q.-Z.; Chen, X.-S.; Jing, X.-B.: Synthesis of Biodegradable Poly(ester amide)s Containing Functional Groups, 1144C
—; Xie, Z.-G.; Zhang, P.-B.; Wang, X.; Chen, X.-S.; Wang, X.-H.; Jing, X.-B.: Synthesis and Characterization of Novel Biodegradable Block Copolymer Poly(ethylene glycol)-*block*-poly(L-lactide-*co*-2-methyl-2-carboxyl-propylene carbonate), 4771C
Guan, Y. See Ma, Z., 3433C
Guebitz, G. See Silva, C. M., 2448C, 2749C
Guerrero, R. See Grande, D., 519C
Guerrero-Sanchez, C.
—; Abeln, C.; Schubert, U. S.: Automated Parallel Anionic Polymerizations: Enhancing the Possibilities of a Widely Used Technique in Polymer Synthesis, 4151C
Gui, G. See Bao, F., 5535C
Guida-Pietrasanta, F. See Andre, S., 2237C
Guimon, C. See Saäidi, S., 3737C
Guiot, J.
—; Néouze, M.-A.; Sauguet, L.; Améduri, B.; Boutevin, B.: Synthesis and Copolymerization of Fluorinated Monomers Bearing a Reactive Lateral Group. XX. Copolymerization of Vinylidene Fluoride with 4-Bromo-1, 1, 2-trifluorobut-1-ene, 917C
Guittard, F. See Saäidi, S., 3737C
Guliashvili, T. See Percec, V., 1478C, 1649C; 1660C; 1935C, 1948C, 2178C
Guner, A. See Denizli, B. K., 3440C
Guney, H. Y.
—; Elastic Properties and Mechanical Relaxation Behaviors of PVDF (poly (vinylidene fluoride)) at Temperatures Between –20 and 100 °C and at 2 MHz Ultrasonic Frequency, 2862P
Gunji, T.
—; Tanikawa, S.; Arimitsu, K.; Abe, Y.: Preparation of Polymethylsilsesquioxanes by the Base-Catalyzed Hydrolytic Polycondensation of Triisopropoxy(methyl)-silane, 3623C
—; Yokogawa, M.; Hongo, M.; Abe, Y.: Synthesis, Isolation, and Characterization of Polytitanasiloxanes and Zirconasiloxanes by the Hydrolytic Cocondensation of Tetraethoxysilane and Titanium or Zirconium Tetraisopropoxide, 763C
Guo, K.
—; Chu, C. C.; Chkhaidze, E.; Katsarava, R.: Synthesis and Characterization of Novel Biodegradable Unsaturated Poly(ester amide)s, 1463C
—; Chu, C. C.: Synthesis and Characterization of Novel Biodegradable Unsaturated Poly(ester amide)/Poly(ethylene glycol) Diacrylate Hydrogels, 3932C
Guo, L.
—; Luijten, E.: Reversible Gel Formation of Triblock Copolymers Studied by Molecular Dynamics Simulation, 959P
—; See Li, K., 6007C
Guo, S. See Li, J., 1260P; Wu, H., 2121P, 3030P
Guo, S. S.
—; Lu, S. G.; Xu, Z. K.; Zhao, X.-Z.: Dielectric Relaxation Study in Electron-Irradiated Ferroelectric Poly(vinylidene fluoride-trifluoroethylene) (80/20 mol%) Copolymer, 2972P
Guo, Z.-X. See Zeng, Z., 2826C
Guthrie, J. R. See Miller, M. D., 5962C
Güven, Ş. See Soykan, C., 2901C
Güven, O. See Dubolazov, A. V., 2737P
Guzmán, O.
—; Abbott, N. L.; De Pablo, J. J.: Defect Structures and Three-Body Potential of the Mean Force for Nanoparticles in a Nematic Host, 1033P

Ha, C.-S. See Abraham, S., 6367C; Kim, I., 4393C
Haba, O. See Kamimura, Y., 1210C

Habaue, S.
—; Murakami, S.; Higashimura, H.: New Asymmetric Vanadium Catalyst for Highly Selective Oxidative Coupling Polymerization, 5872C
—; Muraoka, R.; Aikawa, A.; Murakami, S.; Higashimura, H.: Oxidative Coupling Polymerization of 2,3-Dihydroxynaphthalene with Dinuclear-Type Copper(II) Catalyst, 1635C
—; See Temma, T., 6287C
Habicher, W. D. See Marambio, O. G., 4933C; Yin, M., 1873C
Hacaloglu, J. See Uyar, T., 2578P
Hachmann-Thiessen, H. See Kricheldorf, H. R., 3268C, 3667C
Hadjichristidis, N. See Aliferis, T., 4670C; Christodoulou, S., 4030C; Driva, P., 4070C; Kostakis, K., 3305C, 3337C, 4040C; Mourmouris, S., 6503C; Vazaios, A., 1038C; Zorba, G., 3533C
Hage, E., Jr. See Larocca, N. M., 1244P
Haginaka, J. See Hosoya, K., 2556C
Hait, S. B. See Dorgan, J. R., 3100P
Hakkou, K. See Zamora, F., 4570C, 6394C
Hamada, M. See Mori, T., 4942C
Han, C. C. See Zhang, X.-Q., 2924P
Han, C.-C.
—; Yang, K.-F.; Hong, S.-P.; Balasubramanian, A.; Lee, Y.-T.: Syntheses and Characterizations of Aniline/Butylthioaniline Copolymers: Comparisons of Copolymers Prepared by the New Concurrent Reduction and Substitution Route and the Conventional Oxidative Copolymerization Method, 1767C
Han, H. See Sundar, S., 2370P; Yang, S.-J., 1455P
Han, L.-B.
—; Huang, Z.; Matsuyama, S.; Ono, Y.; Zhao, C.-Q.: Regio- and Stereoselective Synthesis of Poly(arylenevinylene phosphine oxide)s by the Metal-Catalyzed Addition Polymerization of Bisphosphoroyl Compounds with Diynes, 5328C
Han, S.-H. See Shin Y.-D., 607C
Han, X. See Xu, J., 1444C
Han, Y. See Cong, Y., 2181P
Han, Y. S. See Eo, Y.-J., 827P
Hanabusa, K. See Okabe, S., 3567P
Handa, M. See Sato, M., 1511C
Hans, P. See Ayres, L., 6355C
Hanson, H. See O'Connell, R., 323P
Hao, J. See Shi, Y., 203C
Hara, T. See Uddin, A. J., 1640P
Harada, M.
—; Aoyama, K.; Ochi, M.: Influence of the Loading Rate on Liquid-Crystalline Epoxy Resin Systems, 1296P
—; Ohya, M.; Suzuki, T.; Kawaguchi, D.; Takano, A.; Matsushita, Y.: Preparation and Phase Behavior of Poly(4-trimethylsilylstyrene)-*block*-Polyisoprene, 1214P
—; Suzuki, T.; Ohya, M.; Kawaguchi, D.; Takano, A.; Matsushita, Y.; Torikai, N.: Interfacial Profiles of Miscible Poly (4-trimethylsilylstyrene)/Polyisoprene Bilayer Films, 1486P
—; See Obata, M., 2997C
Harbron, E. J.
—; Bunyard, W. C.; Forbes, M. D. E.: Electron Paramagnetic Resonance Spin Probe Study of Carbon Dioxide-Induced Polymer Plasticization, 2097P
Hard, C. See Zhu, C., 4017C
Harrats, C.
—; Benabdallah, T.; Groeninckx, G.; Jérôme, R.: Stress–Strain Behavior of Low-Density Polyethylene/Poly(methyl methacrylate) Blends with Modulated Interfaces with a Hydrogenated Polybutadiene-*block*-Poly(methyl methacrylate) Diblock Copolymer, 22P
—; Jérôme, R.: Block Balance in Hydrogenated Polybutadiene-*b*-Polymethylmethacrylate Diblock Copolymer for Efficient Interfacial Activity in Low-Density Polyethylene/Polymethylmethacrylate Blend: Phase Morphology Development, 837P
Harris, F. W. See Baek, J.-B., 78C, 801C, 6465C
Harrison, J. S. See McLachlan, D. S., 3273P
Harth, E. See Drockenmuller, E., 1028C
Hasebe, K. See Fang, Y., 4632C
Hasegawa, M. See Seno, M., 5864C
Hashimoto, H. See Satoh, T., 4118C
Hashimoto, T. See Ohta, Y., 2639P
Hassander, H. See Colombini, D., 2289P
Häußler, L. See Dudkina, M. M., 2493P
Hausnerová, B. See Li, J., 1260P
Hawker, C. J. See Drockenmuller, E., 1028C
Hayama, K. See Hiwatashi, T., 129C
Hayashi, S. See Yamamoto, S.-I., 2075C
He, C. See Krishnan, P. S. G., 2483C; Lu, X., 3394C; Toh, C. L., 4731C
He, X. See Wang, N., 2851C
He, Y.
—; Cao, Y.; Liu, Y.: Initiation Mechanism of Ultrasonically Irradiated Emulsion Polymerization, 2617P
—; See Kai, W., 2340P; Shin, K.-M., 1433P; Zhao, L., 2665P
Heijkants, R. G. J. C.
—; Van Calck, R. V.; De Groot, J. H.; Pennings, A. J.; Schouten, A. J.: Phase Transitions in Segmented Polyesterurethane-DMSO-Water Systems, 716P
Heinz, H. See Pandey, R. B., 1041P
Helaja, T. See Seraidaris, T., 6455C
Helfer, C. A. See Mattice, W. L., 1260P
—; Chen, D.; Mattice, W. L.; Farmer, B. L.: Conformations Produced by Interactions of the Side Chains in Poly(silylenemethylene) with the Repeating Sequence $[Si(CH_3)R—CH_2]_X$ [R = —$O(CH_2)_3OC_6H_4C_6H_5$], 886P
Henkensmeier, D.
—; Abele, B. C.; Candussio, A.; Thiem, J.: Synthesis of Carbohydrate-Segmented Polydimethylsiloxanes by Hydrosilylation, 3814C
Henry, R. M.
—; Sharma, S. C.; Ramsey, R. A.; Cramer, M. L.; Atman, J. B.:

Effects of Formulation Variables on Liquid-Crystal Droplet Size Distributions in Ultraviolet-Cured Polymer-Dispersed Liquid-Crystal Cells, 1842P
Heo, K. See Kim, J.-S., 4079C
Hernández, R.
—; Mijangos, C.; López, D.: Study of the Effect of Poly(vinyl alcohol) Concentration on the Gelation Point of Poly(vinyl alcohol) Poly(acrylic acid) Semi-IPN Systems as Determined by Viscoelastic Measurements, 1944P
Héroguez, V. See Quémener, D., 217C
Herrera-Ordonez, J.
—; Rivera, O.; Maldonado-Textle, H.; Ramirez, J. C.: Kinetics of Styrene Emulsion Polymerization above the Critical Micelle Concentration: Effect of the Initial Monomer Concentration on the Molecular Weight, 1963C
Heuts, J. P. A. See Biasutti, J. D., 2001C
Hexig, B.
—; Alata, H.; Asakawa, N.; Inoue, Y.: Novel Biodegradable Poly(Butylene Succinate)/Poly (Ethylene Oxide) Blend Film with Compositional and Spherulite-Size Gradients, 368P
—; Alata, H.; Inoue, Y.: Self-Organization of Functional Gradient Structure in the Biodegradable Chitosan/Poly(vinyl alcohol) Blend Film, 3069P
Hey, J. M. See Wooster, T. J., 5072C
Higashimura, H.
—; Fujisawa, K.; Kubota, M.; Kobayashi, S.: "Radical-Controlled" Oxidative Polymerization of Phenol: Comparison with that of 4-Phenoxyphenol, 1955C
—; See Habaue, S., 1635C, 5872C
Hillmyer, M. A. See Zhu, S., 3685P
Hiltner, A.
—; Liu, R. Y. F.; Hu, Y. S.; Baer, E.: Oxygen Transport as a Solid-State Structure Probe for Polymeric Materials: A Review, 1047P
—; See Hu, Y. S., 1365P; Somlai, L. S., 1230P
Himmelberg, P.
—; Fossum, E.: Development of an Efficient Route to Hyperbranched Poly(arylene ether sulfone)s, 3178C
Hino, T.
—; Endo, T.: Lewis Acid-Mediated Double-Ring-Opening Reaction of an Oligo(spiro-orthocarbonate): A Novel Class of Expanding Material, 5323C
—; Inoue, N.; Endo, T.: Ring-Opening Metathesis Copolymerization Behaviors of Cyclooctene and Norbornene Bearing a Five- or Six-Membered Ring cyclic Carbonate, 6599C
—; Ito, Y.; Endo, T.: Unusual Cationic Copolymerization Behavior of a Six-Membered Ring Spiro-Orthocarbonate Bearing Adamantane Backbones with a Monofunctional Epoxide, 1729C
—; See Komatsu, H., 4260C
Hinojosa-Falcon, L. A. See Percec, V., 779C, 1649C, 1660C, 2178C, 2185C, 2276C
Hiraga, T. See Mochizuki, H., 2307P
Hirahara, S. See Tominaga, Y., 3151P
Hirai, M. See Yasuda, T., 4439C
Hirano, T.
—; Ishii, S.; Kitajima, H.; Seno, M.; Sato, T.: Hydrogen-Bond-Assisted Stereocontrol in the Radical Polymerization of *N*-Isopropylacrylamide with Primary Alkyl Phosphate: The Effect of the Chain Length of the Straight Ester Group, 50C
—; Kitajima, H.; Ishii, S.; Seno, M.; Sato, T.: Hydrogen-Bond-Assisted Stereocontrol in the Radical Polymerization of *N*-Isopropylacrylamide with Secondary Alkyl Phosphate: The Effect of the Bulkiness of the Ester Group, 3899C
—; See Seno, M., 2013C, 5864C
Hiraoka, K. See Iizuka, K., 2474P
Hiraoka, S. See Niimi, L., 5440C
Hirashima, Y. See Sato, H., 753P
Hirata, Y. See Doudou, B. B., 2604P
Hirohara, S. See Obata, M., 2997C
Hirota, S.-I.
—; Tominaga, Y.; Asai, S.; Sumita, M.: Dielectric Relaxation Behavior of Poly(methyl methacrylate) Under High-Pressure Carbon Dioxide, 2951P
Hiwatashi, T.
—; Hayama, K.; Sawada, Y.; Itoh, T.: Synthesis and Solution Properties of Poly(methacrylate)s with Semipolar Structures on the Side Chains, 129C
Hjelm, R. P. See Arleth, L., 849P
Hlídková, H. See Mikroyannidis, J. A.,3079C
Ho, K.-S.
—; Hsieh, T.-H.; Kuo, C.-W.; Lee, S.-W.; Lin, J.-J.; Huang, Y.-J.: Effect of Aniline Formaldehyde Resin on the Conjugation Length and Structure of Doped Polyaniline: Spectral Studies, 3116C
Höcker, H. See Feng, Y., 3030C
Hoflund, G. B. See Everett, M. L., 552C
Holder, A. J. See Miller, M. D., 5962C
Holder, E.
—; Marin, V.; Alexeev, A.; Schubert, U. S.: Greenish-Yellow-, Yellow-, and Orange-Light-Emitting Iridium(III) Polypyridyl Complexes with Poly (ϵ-caprolactone)–Bipyridine Macroligands, 2765C
Holder, S. J. See Street, G., 1129C
Holst, M.
—; Schänzlin, K.; Wenzel, M.; Xu, J.; Lellinger, D.; Alig, I.: Time-Resolved Method for the Measurement of Volume Changes during Polymerization, 2314P
Homrighausen, C. L.
—; Kennedy, B. J.; Schutte, E. J.: Poly(silarylene–siloxane)-polyimides from Allyl-Terminated Oligoimides and Hydride-Functional Silarylene-Siloxanes via Hydrosilylation Polymerization, 4922C
Hong, C.-Y.
—; You, Y.-Z.; Liu, J.; Pan, C.-Y.: Dendrimer-Star Polymer and

Block Copolymer Prepared by Reversible Addition-Fragmentation Chain Transfer (RAFT) Polymerization with Dendritic Chain Transfer Agent, 6379C
—; See Wang, D., 5127C
Hong, J. H.
—; Jeong, E. H.; Lee, H. S.; Baik, D. H.; Seo, S. W.; Youk, J. H.: Electrospinning of Polyurethane/Organically Modified Montmorillonite Nanocomposites, 3171P
Hong, J.-T.
—; Cho, N.-S.; Yoon, H.-S.; Kim, T.-H.; Lee, D.-H.; Kim, W.-G.: Preparation and Characterization of Biodegradable Poly(Trimethylenecarbonate-ϵ-Caprolactone)-Block-Poly(*p*-Dioxanone) Copolymers, 2790C
Hong, J.-W. See Cho, J.-D., 658C
Hong, K. See Men Y., 87P
Hong, L.
—; Granick, S.: Charged Polypeptide Diffusion at a Very High Ionic Strength, 3497P
Hong, S. See Small, A., 3534P
Hong, S.-P. See Han, C.-C., 1767C
Hong, Z. See Qiu, X., 5177C
Hongo, M. See Gunji, T., 763C
Hoogenboom, R.
—; Paulus, R. M.; Fijten, M. W. M.; Schubert, U. S.: Concentration Effects in the Cationic Ring-Opening Polymerization of 2-Ethyl-2-Oxazoline in *N,N*-Dimethylacetamide, 1487C
Hopkins, T. E.
—; Park, M.; Chacon, A.; Sedaghat-Herati, R.: New Poly(oxyethylene) Derivatives and Their Oligo Analogues from Diels–Alder Reactions of 5-[Methoxypoly(oxyethylene)]-(3*E*)-1, 3-pentadiene and 5-Methoxy-ethoxy-(3*E*)-1,3-pentadiene, 1895C
Horrion, J. See Lu, Q.-W., 4217C
Hosoya, K.
—; Aoki, H.; Kubo, T.; Teramachi, M.; Tanaka, N.; Haginaka, J.: Selective Retention of Some Polyaromatic Hydrocarbons by Highly Crosslinked Polymer Networks, 2556C
—; See Kubo, T., 2112C; Watabe, Y., 2048C
Hou, D. See Wei, H., 2941C
Hou, J. See Xu, J., 1444C, 3986C
Hou, Q. See Yang, R., 823C
Houston, J. E.
—; A Local-Probe Analysis of the Rheology of a "Solid Liquid," 2993P
Howdle, S. M. See Bratton, D., 6573C
Hsiao, S.-H.
—; Lin, K.-H.: Polyimides Derived from Novel Asymmetric Ether Diamine, 331C
—; See Liou, G.-S., 3245C; Su, T.-H., 2085C
Hsieh, B.-Y.
—; Yeh, K.-M.; Chen, Y.: Synthesis of Electroluminescent Copoly(aryl ether)s Containing Alternate 1,4-Distyrylbenzene Derivatives and Aromatic 1,3,4-Oxadiazole or 3,3"-Terphenyldicarbonitrile Segments, 5009C
Hsieh, M.-T. See Li, C.-P., 534C
Hsieh, T.-H. See Ho, K.-S., 3116C
Hsu, M.-Y. See Yang, C.-P., 1270C
Hsu, S. L.-C.
—; Luo, G.-W.; Chen, H.-T.; Chuang, S.-W.: Synthesis and Characterization of Novel Aromatic Poly(imide–benzoxazole) Copolymers, 6020C
Hu, C. P. See Yang, D. Y., 2606C
Hu, G.-H. See Yu, Z.-Z., 1100P
Hu, J. See Qiu, X., 5177C
Hu, J. L. See Ding, X. M., 1865P
Hu, J.-S.
—; Zhang, B.-Y.; Yao, D.-S.; Xiao, W.-Q.; Dong, Y.-L.: Synthesis, Structure, and Characterization of Nematic Liquid-Crystalline Thermosets Based on Bisacrylates, 4478C
—; Zhang, B.-Y.; Zhou, A.-J.; Dong, Y.-L.; Zhao, Z.-X.: Preparation and Phase Behavior of Side-Chain Cholesteric Liquid-Crystalline Elastomers, 3315C
Hu, T. See Tang, L.-M., 6323C
Hu, W. See Liu, B., 3018C
Hu, X.
—; Meng, J.: Effect of Organoclay on the Curing Reactions in Bismaleimide/Diallyl Bisphenol A Resin, 994C
—; See Duan, M., 709P; Zhao, X., 1421P
Hu, X.-X. See Xu, Z.-S., 2368C
Hu, Y. See Cao, C., 429C; Zhang, X., 984C, 5944C
Hu, Y. S.
—; Mehta, S.; Schiraldi, D. A.; Hiltner, A.; Baer, E.: Effect of Water Sorption on Oxygen-Barrier, Properties of Aromatic Polyamides, 1365P
—; See Hiltner, A., 1047P
Hu, Z. See Arleth, L., 849P
Hua, F.
—; Ruckenstein, E.: Preparation of Densely Grafted Poly(aniline-2-sulfonic acid-*co*-aniline)s as Novel Water-Soluble Conducting Copolymers, 1090C
—; Yang, X.; Gong, B.; Ruckenstein, E.: Preparation of Oligoamide-Ended Poly(ethylene glycol) and Hydrogen-Bonding-Assisted Formation of Aggregates and Nanoscale Fibers, 1119C
Hua, J.
—; Li, Z.; Long, K.; Qin, J.; Li, S.; Ye, C.; Lu, Z.: Synthesis and Second-Order Nonlinear Optical Properties of Multifunctional Polysiloxanes with Sulfonyl-Based Chromophores, 1317C
Huang, B.
—; Li, J.; Chen, L.; Qin, J.; Di, C'A.; Yu, G.; Liu, Y.: Synthesis and Properties of New Poly(terfluorene) Derivatives Containing Spirobifluorene and Electron Transport Groups for Stable Blue Electroluminescence, 4517C
Huang, C.-C. See Liaw, D.-J., 4233C
Huang, C.-H. See Lin, H.-L., 3044P
Huang, C.-M. See Li, C.-P., 534C
Huang, F.-Y.
—; Wang, Y.-Z.; Wang, X.-L.; Yang, K.-K.; Zhou, Q.; Ding, S.-D.: Preparation and Characterization of a Novel Biodegradable Poly(*p*-dioxanone)/Mont-

morillonite Nanocomposite, 2298C
Huang, H.-M.
—; Chang, C.-Y.; Liu, I.-C.; Tsai, H.-C.; Lai, M.-K.; Tsiang, R. C.-C.: Synthesis of Gold Nanocomposites via Chemisorption of Gold Nanoparticles with Poly(*p*-methylstyrene) Containing Multiple Bonding Groups on the Chain Side, 4710C
Huang, J. See Li, X., 2325C; Wan, D., 5458C, 5652C; Zhang, Y., 1261C
Huang, J. F. See Fang, F., 3255P
Huang, K.
—; Tabata, M.; Mawatari, Y.; Miyasaka, A.; Sato, E.; Sadahiro, Y.; Kashiwaya, Y.; Ishii, K.: Origin of the Color of π-Conjugated Columnar Polymers: Poly(p-n-Octylthiophenyl)acetylene Prepared Using a $[Rh(norbornadiene)Cl]_2$ Catalyst, 2836C
—; See Lu, L., 2468C
Huang, L. See Yi, L., 4431C
Huang, M.-H.
—; Coudane, J.; Li, S.; Vert, M.: Methylated and Pegylated PLA–PCL–PLA Block Copolymers via the Chemical Modification of Di-Hydroxy PCL Combined with the Ring Opening Polymerization of Lactide, 4196C
Huang, R. See Zhang, L., 1113P
Huang, W.
—; Zhou, Y.; Yan, D.: Direct Synthesis of Amphiphilic Block Copolymers from Glycidyl Methacrylate and Poly (ethylene glycol) by Cationic Ring-Opening Polymerization and Supramolecular Self-Assembly Thereof, 2038C
—; See Qing, S., 4363C
Huang, Y. See Shen, D., 4099C
Huang, Y.-J. See Ho, K.-S., 3116C
Huang, Y.-L See Ma, C.-C. M., 345P
Huang, Z. See Han, L.-B., 5328C
Huang, Z.-M.
—; Zhang, Y.; Ramakrishna, S.: Double-Layered Composite Nanofibers and Their Mechanical Performance, 2852P
Huanosta-Tera, A. See Cardoso, J., 1152P
Huerta, M. See Marambio, O. G., 4933C
Hui, C.-Y. See Tang, T., 3628P
Hui, D. See Chipara, M., 3406P
Hult, A. See Nyström, A., 3852C, 4496C
Hung, J.
—; Waymouth, R. M.: Unconstrained Geometry Complexes: Ethylene/α-Olefin Copolymerizations with a Tetramethyldisilyl-Bridged Cp-Amido Titanium Complex, 3840C
Hunt, B. J. See Martín, C., 6419C
Hurtrez, G. See Glaied, O., 2440C
Hutchinson, M. H. See Dorgan, J. R., 3100P
Hvilsted, S. See Jankova, K., 3748C
Hwang, C.-K. See Jin, S.-H., 5062C
Hwang, H.-J. See Shieh, J.-Y., 671C
Hwang, S.-J.
—; Chang, Y.-S.: Isobaric Cure Shrinkage Behaviors of Expoxy Molding Compound in Isothermal State, 2392P
Hyeon-Lee, J. See Jung, M.-S., 5520C

Iannace, S. See Di, Y., 689P; Sorrentino, L., 1966P
Iatrou, H. See Aliferis, T., 4670C; Christodoulou, S., 4030C; Driva, P., 4070C
Ibrahim, K.
—; Starck, P.; Löfgren, B.; Seppälä, J.: Synthesis and Characterization of Amphiphilic Triblock Copolymers by Iron-Mediated Atom Transfer Radical Polymerization, 5049C
Ichikawa, T. See Shimizu, T., 1068C
Ichimaru, A. See Shirahama, H., 438C
Ifuku, S.
—; Tsujii, Y.; Kamitakahara, H.; Takano, T.; Nakatsubo, F.: Preparation and Characterizatioin of Redox Cellulose Langmuir–Blodgett Films Containing a Ferrocene Derivative, 5023C
Ihara, E.
—; Omura, N.; Tanaka, S.; Itoh, T.; Inoue, K.: Anionic Polymerization of Methyl Methacrylate by Initiating Systems Based on Lithium Amides of Various Secondary Amines, 4405C
Iizuka, K.
—; Numasawa, N.; Hiraoka, K.; Yamazaki, R.; Nose, T.: Composition Dependence of Ordered Structure in Mixed Micellar Aqueous Solutions of Hydrophobically Modified Poly(ethylene glycol)s, 2474P
Ikebe, M. See Yamanaka, A., 1495P
Ikehara, T. See Maruyama, K., 4642C
Ikkai, F.
—; Shibayama, M.: Inhomogeneity Control in Polymer Gels, 617P
Ikladious, N. E. See Mansour, S. H., 3278C
Illsley, D. See Street, G., 1129C
Im, S. S. See Lee, W. D., 805P
Imai, T. See Itagaki, H., 680P; Satoh, T., 4118C
Imase, T. See Yamamoto, T., 6223C, 2219P
In, I.
—; Kim, S. Y.: Synthesis of Poly(arylene thioether)s from Protected and Aromatic Difluorides with an Organic Base, 2021C
Inagi, S. See Naka, K., 4600C
Inai, R.
—; Kotaki, M.; Ramakrishna, S.: Deformtion Behavior of Electrospun Poly(L-lactide-*co*-ϵ-caprolactone) Nonwoven Membranes Under Uniaxial Tensile Loading, 3205P
Inomata, K.
—; Nakanishi, E.; Sakane, Y.; Koike, M.; Nose, T.: Side-Chain Crystallization Behavior of Graft Copolymers Consisting of Amorphous Main Chain and Crystalline Side Chains: Poly(methyl methacrylate)-*graft*-poly(ethylene glycol) and Poly(methyl acrylate)-*graft*-poly(ethylene glycol), 79P
Inoue, H. See Teraguchi, M., 2348C
Inoue, K.
—; Komatsu, S.; Trinh, X.-A.; Norisuye, T.; Tran-Cong-Miyata, Q.: Local Deformation in Photo-Crosslinked Polymer Blends

Monitored by Mach-Zehnder Interferometry, 2898P
—; See Ihara, E., 4405C
Inoue, N. See Hino, T., 6599C
Inoue, S. See Ochiai, B., 6282C., 6613C; Sugimoto, H., 916C, 4172C
Inoue, Y.
—; Watanabe, J.; Takai, M.; Yusa, S.-I.; Ishihara, K.: Synthesis of Sequence-Controlled Copolymers from Extremely Polar and Apolar Monomers by Living Radical Polymerization and Their Phase-Separataed Structures, 6073C
—; See Hexig, B., 368P, 3069P; Kai, W., 2340P; Shin, K.-M., 1433P; Zhao, L., 2665P
Irie, S. See Sasaki, T., 115P; Wu, Y., 1354P
Isayev, A. I. See Feng, W., 334P
Ishak, Z. A M. See Chow, W. S., 1198P
Ishibe, S.
—; Tomita, I.: Palladium-Catalyzed Three-Component Coupling Polycondensation of Aromatic Diiodide, Aromatic Bis(boronic acid propanediol ester), and Norbornadiene: A New Route for Poly(*p*-phenylene vinylene), 3403C
Ishihara, K. See Inoue, Y., 6073C
Ishihara, N. See Yokota, K., 5041C
Ishii, K. See Huang, K.V
Ishii, S. See Hirano, T., 50C, 3899C
Ishikura, K.-I. See Sato, M., 1511C
Ishizone, T. See Kobayashi, M., 4126C
Ishizu, K.
—; Kakinuma, H.: Synthesis of Nanocylinders Consisting of Graft Block Copolymers by the Photo-Induced ATRP Technique, 63C
—; Katsuhara, H.; Itoya, K.: Controlled Radical Polymerization of Methacrylic Acid Initiated by Diethyldithio-carbamate-Mediated Iniferter, 230C
Ismail, A. E.
—; Stephanopoulos, G.; Rutledge, G. C.: Wavelet-Accelerated Monte Carlo Sampling of Polymer Chains, 897P
Isono, Y. See Takano, A., 2427P
Itagaki, H.
—; Fukiishi, H.; Imai, T.; Watase, M.: Molecular Structure of Agarose Chains in Thermoreversible Hydrogels Revealed by Means of a Fluorescent Probe Technique, 680P
Itagaki, Y. See Motokucho, S., 3711C
Ito, K. See Cianga, L., 479C; Yokota, K., 5041C
Ito, N. See Maruyama, K., 4642C
Ito, Y. See Hino, T., 1729C
Itoh, T. See Hiwatashi, T., 129C; Ihara, E., 4405C; Kubo, M., 5032C; Mitsuda, Y., 5195C
Itoya, K. See Ishizu, K., 230C
Iura, K. See Yasuniwa, M., 2039P
Iwamoto, R.
—; Matsuda, T.: Interaction of Water in Polymers: Poly(ethylene-*co*-vinyl acetate) and Poly(vinyl acetate), 777P
Iwasaki, Y. See Kura, H., 1684P
Iwashita, K.-I.
—; Yokoyama, A.; Yokozawa, T.: Synthesis of Well-Defined Aromatic Polyesters by Chain-Growth Polycondensation under Suppression of Transesterification, 4109C
Izumi, Y. See Yamanaka, A., 1495P, 2754P

Ja, Z.
—; Zhou, Y.; Yan, D.: Amphiphilic Star-Block Copolymers Based on a Hyperbranched Core: Synthesis and Supramolecular Self-Assembly, 6534C
Jacobs, D. W. See Oxman, J. D., 1747C
Jagadeesh, B. See Prabhakar, A., 1196C
Jaikrishna, M. See Suresh, K. I., 5953
Jain, R. K. See Sachdev, V. K., 1618P
Jakubowski, W.
—; Lutz, J.-F.; Slomkowski, S.; Matyjaszewski, K.: Block and Random Copolymers as Surfactants for Dispersion Polymerization. I. Synthesis via Atom Transfer Radical Polymerization and Ring-Opening Polymerization, 1498C
Jamshidi, S. See Yeganeh, H., 2985C
Jana, S. C. See Dharaiya, D. P., 3638P
Janata, M. See Toman, L., 3823C
Jang, J.
—; Bae, J.; Ko, S.: Synthesis and Curing of Poly(glycidyl methacrylate) Nanoparticles, 2258C
—; See Lee, K.-S., 2316C
Jang, J. Y. See Kim, D. S., 5620C
Jang, W. See Sundar, S., 2370P; Yang, S.-J., 1455P
Jankova, K.
—; Bednarek, M.; Hvilsted, S.: Star Polymers by ATRP of Styrene and Acrylates Employing Multifunctional Initiators, 3748C
Janmey, P. A. See Dalhaimer, P., 280P
Jannasch, P. See Lafitte, B., 273C
Janssen, R. A. J. See Jayakannan M., 1454C
Janzen, J. See Dorgan, J. R., 3100P
Javni, I. See Petrović, Z. S., 3178P
Jayakannan, M.
—; Annu, S.; Ramalekshmi, S.: Structural Effects of Dopants and Polymerization Methodologies on the Solid-State Ordering and Morphology of Polyaniline, 1321P
—; Lou, X.; Van Dongen, J. L. J.; Janssen, R. A. J.: Synthesis of Regioregular Poly(3-octylthiophene)s via Suzuki Polycondensation and End-Group Analysis by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry, 1454C
Jehnichen, D. See Dudkina, M. M., 2493P
Jeng, R.-J. See Chen, C.-P., 682C
Jenkins, R. D. See Dai, S., 3288P
Jeong, E. H. See Hong, J. H., 3171P
Jeria-Orell, M. See Marambio, O. G., 4933C
Jérôme, R. See Caille, J.-R., 2723C; Harrats, C., 22P, 837P; Kampp, N., 193P; Stassin, F., 2777C
Ji, B. C. See Lyoo, W. S., 789C

Ji, X. See Qiao, C., 1303P
Ji, Y. See Wang, B.-B., 5512C
Jia, X. See Porbeni, F. E., 2086P
Jia, X.-R. See Wang, B.-B., 5512C
Jia, Z.
—; Yan, D.: Hyperbranched Polymers Generated from Oxyanionic Vinyl Polymerization of Commercially Available Methacrylate Inimers, 3502C
Jian, C.
—; Chen, J.; Zhang, K.: Novel Catalyst System of $MCl_2/FeCl_3.6H_2O/PPh_3$ (M=Ni, Co, or Mn) for the Atom Transfer Radical Polymerization of Methyl Methacrylate, 2625C
Jian, L. See Jianying, H., 5246C
Jiang, B. See Qiao, C., 1303P
Jiang, C. See Li, Z., 498P
Jiang, G.
—; Wang, L.; Chen, T.; Dong, X.; Yu, H.; Wang, J.; Chen, C.: Synthesis and Self-Assembly of Hyperbranched Polymers with Benzoyl Terminal Arms, 5554C
Jiang, J. See Zhou, H., 2567C
Jiang, L.
—; Lam, Y. C.; Zhang, J.: Rheological Properties and Interfacial Slip of a Multilayer Structure Under Dynamic Shear, 2683P
—; See Cai, J., 2885P; Ren, M., 553P; Wang, N., 2851C
Jiang, M. See Liu, S., 1924P
Jiang, P. See Li, Q., 2548P
Jiang, S. See Qiao, C., 1303P
Jiang, W. See Yuan, Q., 306P; Zhang, R., 5529C; Zhu, J., 2874P
Jiang, X. See Chen, Z., 1332P; Lima, V., 959C
Jiang, Z. See Liu, B., 3018C; Wang, H., 493C
Jiang, Z.-H. See Zhang, S.-L., 1177P; Zhou, X.-M., 1624P
Jianying, H.
—; Jian, L.; Minghua, L.; Qiang, L.; Lizong, D.; Yousi, Z.: Some Novel Accelerating Agents for Nitroxide-Mediated Living Free-Radical Polymerization, 5246C
Jin, J.-I. See Tung, N. T., 742C
Jin, J. M.
—; Yang, S.; Shim, S. E.; Choe, S.: Synthesis of Poly(acrylamide-*co*-divinylbenzene) Microspheres by Precipitation Polymerization, 5343C
Jin, R. G. See Zhang, T., 2417C
Jin, S.-H.
—; Jung, H.-H.; Hwang, C.-K.; Koo, D.-S.; Shin, W. S.; Kim, Y.-I.; Lee, J. W.; Gal, Y.-S.: High Electroluminescent Properties of Conjugated Copolymers from Poly[9,9-dioctyfluorenyl-2,7-vinylene]-*co*(2–3-dimethyldodecylsilylphenyl)-1,4-phenylene vinylene)] for Light-Emitting Diode Applications, 5062C
Jing, X. See Pang, X., 6605C; Qiu, X., 5177C
Jing, X.-B. See Guan, G., 4771C; Guan, H.-L., 1144C
Joly, N.
—; Granet, R.; Krausz, P.: Olefin Metathesis Applied to Cellulose Derivatives—Synthesis, Analysis, and Properties of New Crosslinked Cellulose Plastic Films, 407C
Joly-Duhamel, C. See Boyer, C., 4303C
Jones, A. A. See Cao, H., 2433P
Jones, C. W. See Russum J. P., 2188C
Jones, J. A.
—; Novo, N.; Flagler, K.; Pagnucco, C. D.; Carew, S.; Cheong, C.; Kong, X. Z.; Burke, N. A. D.; Stöver, H. D. H.: Thermoresponsive Copolymers of Methacrylic Acid and Poly(ethylene glycol) Methyl Ether Methacrylate, 6095C
Jones, R. A. L.:
—; Viewpoint: Biomimetic Nannotechnology with Synthetic Macromolecules, 3367P
Jong, L.
—; Viscoelastic Properties of Ionic Polymer Composites Reinforced by Soy Protein Isolate, 3503P
Joo, S.-H. See Tung, N. T., 742C
Joo, Y. L. See Kim, C.-W., 1673P
Joubert, D. J.
—; Goderis, B.; Reynaers, H.; Mathot, V. B. F.: Spatially Inhomogeneous Crystallinity in Heterogeneous Ethylene-α-Olefin Copolymers, 3000P
Joubert, M. See Glaied, O., 2440C
Jovanović, S. M. See Nastasović, A. B., 2524P
Ju, H.-T. See Cho, J.-D., 658C
Jung, B.-J. See Lee, J., 1845C
Jung, H.
—; Kim, S. Y.; Lee, K.; Lee, B. H.; Shim, S. E.; Choe, S.: High Molecular Weight Monodisperse Polystyrene Microspheres Prepared by Dispersion Polymerization, Using a Novel Bifunctional Macromonomer, 3566C
Jung, H.-H. See Jin, S.-H., 5062C
Jung, H.-T. See Jung, M.-S., 5520C
Jung, M.-S.
—; Lee, S. K.; Hyeon-Lee, J.; Park, M. K.; Jung, H.-T.: Preparation of a Chemically Amplified Photosensitive Polyimide Based on Norbornene-End-Capped Poly(amic acid ethoxymethylester), 5520C
Jungnickel, B.-J. See Liu, J., 287P
Justice, R. See Petrović, Z. S., 3178P

Kaga, H. See Miura, Y., 4271C; Narumi, A., 4373C; Otsuka, I., 5855C
Kai, T.
—; Ueno, W.; Yamaguchi, T.; Nakao, S.-I.: Role of Vacuum Ultraviolet Irradiation in Plasma-Induced Graft Polymerization in the Pore-Filling Polymerization of Porous Materials, 2068C
Kai, W.
—; Zhu, B.; He, Y.; Inoue, Y.: Crystallization of Poly(butylene adipate) in the Presence of Nucleating Agents, 2340P
—; See Zhao, L., 2665P
Kaim, A.
—; Megiel, E.: Transition Structures and Reaction Barriers in the Styrene–Acrylonitrile Copolymerization System According to Quantum Mechanical Calculations, 1827C
Kaizhi, S. See Youbing, L., 13P
Kajiwara, K. See Yamaguchi, T., 1090P
Kakinuma, H. See Ishizu, K., 63C

Kakuchi, R. See Otsuka, I., 5855C
Kakuchi, T. See Miura, Y., 4271C; Narumi, A., 4373C; Obata, M., 2997C; Otsuka, I., 5855C; Satoh, T., 4118C
Kallitsis, J. K. See Tzanetos, N. P., 1049C, 4838C
Kaluzynski, K. See Penczek, S., 650C
Kameyama, A. See Minegishi, S., 3105C
Kameyama, T. See Yoshimoto, S., 2705P
Kamimura, Y.
—; Haba, O.; Endo, T.; Ueda, M.: Negative-Working Photoresist Based on a First-Generation Dendrimer Consisting of 4,4-Diphenylpentyloxy Units, 1210C
Kamitakahara, H. See Ifuku, S., 5023C
Kamitakahara, M. See Morihara, Y., 6048C
Kampp, N.
—; Gohy, J.-F.; Jérôme, R.; Klein, J.: Normal and Shear Forces between a Polyelectrolyte Brush and a Solid Surface, 193P
Kanaoka, S. See Yoshida, T., 468C, 1155C, 2712C, 4288C, 4292C, 5138C, 5337C, 5704C
Kanazawa, A. See Yoshida, T., 4288C
Kandil, U.
—; Chung, T. C.: Synthesis of Ethylene/Propylene Elastomers Containing a Terminal Reactive Group: The Combination of Metallocene Catalysis and Control Chain Transfer Reaction, 1858C
Kaneko, D.
—; Gong, J. P.; Zrínyi, M.; Osada, Y.: Kinetics of Fluid Spreading on Viscoelastic Substrates, 562P
Kaneko, H.
—; Kojoh, S.-I.; Kawahara, N.; Matsuo, S.; Matsugi, T.; Kashiwa, N.: Synthesis of Graft and Star Copolymers Possessing Polyolefin Branches by Using Polyolefin Macromonomer, 5103C
Kaneko, T. See Teraguchi, M., 2348C
Kaneko, Y. See Ochiai, B., 5899C
Kang, J. K. See Eo, Y.-J., 827P
Kang, T.-S. See Thompson, B. C., 1417C
Kannan, R. M. See Sevegney, M. S., 439P
Kapsa, P. See Cayer-Barrioz, J., 264P
Karaky, K.
—; Reynaud, S.; Billon, L.; François, J.; Chreim, Y.: Organosoluble Star Polymers from a Cyclodextrin Core, 5186C
Karasz, F. E. See Liao, L., 280C
Karayannidis, G. P. See Roupakias, C. P., 3998C
Karger-Kocsis, J. See Chow, W. S., 1198P
Karlsson, O. J. See Colombini, D., 2289P
Karode, S. K. See Phadke, M. A., 2061P, 2074P
Kashima, T. See Yamanaka, A., 1495P
Kashiwa, N. See Kaneko, H., 5103C
Kashiwaya, Y. See Huang, K., 2836C
Kasuga, K. See Sato, M., 1511C
Kaszas, G. See Puskas, J. E., 5394C
Katime, I. See Rentería, M., 2495C
Kato, T.
—; Nagahara, T.; Agari, Y.; Ochi, M.: Relation Between Thermal Conductivity and Molecular Alignment Direction of Free-Standing Film Aligned with Rubbing Method, 3591P
Katsarava, R. See Guo, K., 1463C
Katsuhara, H. See Ishizu, K., 230C
Katsumata, T. See Nakazato, A., 4530C
Katsumura, Y. See Wach, R. A., 505C
Katsuraya, K. See Baigude, H., 2195C
Kaur, C. See Brar, A. S., 5906C
Kaur, S. See Brar, A. S., 1100C
Kawabata, K. See Yamamoto, S.-I., 4578C
Kawaguchi, D. See Harada, M., 1214P, 1486P
Kawahara, N. See Kaneko, H., 5103C
Kawashima, N. See Ono, Y., 4412C
Kawashima, W. See Takano, A., 2427P
Kaya, K. See Kubo, T., 2112C
Kazantzis, A. V. See Mikroyannidis, J. A., 4486C
Ke, Y. See Zhang, Z., 984C
Ke, Z. See Xin, Z., 314P
Keller, T. M. See Laskoski, M., 4136C
Kennedy, B. J. See Homrighausen, C. L., 4922C
Kennedy, J. P.
—; From Thermoplastic Elastomers to Designed Biomaterials, 2951C
—; See Erdodi, G., 3491C, 4953C, 4965C; Nugay, N., 630C; Wollyung, K. M., 946C
Kerdcharoen, T. See Wutticharoenmongkol, P., 1881P
Kesler, B. S. See Lebedeva, E., 2266C
Khafagy, R. M.
—; Badr, Y. A.: *In Situ* FTIR Spectroscopic Study of the Recently Detected Low-Temperature-Induced Structural Changes in Isotactic Polypropylene, 2829P
Khan, A. A. See Smitha, B., 1538P
Khanna, P. K. See Kulkarni, M. V., 2161P
Khoshdel, E. See Cheng, C., 4754C
Kido, J. See Liang, F., 5765C
Kilian, L. See Williamson, D. T., 1216C
Kim, C.-W.
—; Frey, M. W.; Marquez, M.; Joo, Y. L.: Preparation of Submicron-Scale, Electrospun Cellulose Fibers via Direct Dissolution, 1673P
Kim, D. S.
—; Park, H. B.; Jang, J. Y.; Lee, Y. M.: Synthesis of Sulfonated Poly(imidoaryl ether sulfone) Membranes for Polymer Electrolyte Membrane Fuel Cells, 5620C
Kim, D.-Y. See Chun, C., 3525C
Kim, H. See Kim, J.-S., 4079C; Kwon, J., 3973C
Kim, H.-C. See Drockenmuller, E., 1028C
Kim, H.-S. See Kim, Y.-H., 6515C
Kim, I.
—; Byun, S. H.; Ha, C.-S.: Ring-Opening Polymerizations of Propylene Oxide by Double Metal Cyanide Catalysts Prepared with ZnX_2 (X = F, Cl, Br, or I), 4393C

—; See Abraham, S., 6367C
Kim, J. H. See Koo, C. M., 158P
Kim, J.-S.
—; Kim, H.; Yoon, J.; Heo, K.; Ree, M.: Synthesis of Zinc Glutarates with Various Morphologies Using an Amphiphilic Template and Their Catalytic Activities in the Copolymerization of Carbon Dioxide and Propylene Oxide, 4079C
Kim, J. Y.
—; Kim, S. H.: *In Situ* Fibril Formation of Thermotropic Liquid Crystal Polymer in Polyesters Blends, 3600P
Kim, K. See Tung, N. T., 742C
Kim, K.-M.
—; Ogoshi, T.; Chujo, Y.: Controlled Polymer Hybrids with Ladderlike Polyphenylsilsesquioxane as a Template via the Sol–Gel Reaction of Phenyltrimethoxysilane, 473C
Kim, M.-J. See Chun, C., 3525C
Kim, S. H. See Kim, J Y., 3600P; Wain, K. S., 1930C
Kim, S. Y. See Eo, Y.-J., 827P; In, I., 2021C; Jung, H., 3566C
Kim, T. See Xiang, H., 3377P
Kim, T.-H. See Hong, J.-T., 2790C
Kim, W.-G. See Hong, J.-T., 2790C
Kim, Y.-H.
—; Shin, D.-C.; Kim, H.-S.; You, H.; Kwon, S.-K.: New Family of Highly Emissive, Soluble Poly(1,4-fluoroenylene-vinylene) Derivatives: Synthesis and Characterization, 6515C
—; See Lee, K.-S., 2316C
Kim, Y.-I. See Jin, S.-H., 5062C
Kim, Y. S. See Li, J., 6345C
Kimani, S. M.
—; Moratti, S. C.: Ambient-Temperature Copper-Catalyzed Atom Transfer Radical Polymerization of Methacrylates in Ethylene Glycol Solvents, 1588C
Kimura, A. See Kura, H., 1684P
Kimura, K.
—; Kohama, S.-I.; Kondoh, S.; Uchida, T.; Yamashita, Y.; Oohazama, T.; Sakaguchi, Y.: Novel Network Morphology of Poly(*p*-oxybenzoyl), 1624C
—; See Kohama, S.-I., 1757C
Kimura, R. See Fukumoto, H., 215P
Kimura, S. See Yoshikawa, M., 385C
Kipper, M. J.
—; Seifert, S.; Thiyagarajan, P.; Narasimhan, B.: Morphology of Polyanhydride Copolymers: Time-Resolved Small-Angle X-Ray Scattering Studies of Crystallization, 463P
Kissin, Y. V.
—; $Al(OH)_3$- and AlO(OH)-Based Cocatalysts for Metallocene Complexes in Alkene Polymerization Reactions, 689C
—; Mirabella, F. M.; Meverden, C. G.: Multi-Center Nature of Heterogeneous Ziegler–Natta Catlysts: TREF Confirmation, 4351C
Kita, H. See Yin, Y., 1545C
Kitagawa, T. See Yamanaka, A., 1495P, 2754P
Kitajima, H. See Hirano, T., 50C, 3899C
Kitamura, S. See Yoshikawa, M., 385C
Klee, D. See Feng, Y., 3030C
Klein, J. See Kampp, N., 193P
Klem, E. See Ashraf, R. S., 6445C
Klemm, E. See Schappel, J., 3574C
Klok, H.-A.
—; Biological–Synthetic Hybrid Block Copolymers: Combining the Best from Two Worlds, 1C
Klumperman, B. See Donkers, E. H. D., 2536C; Lima, V., 959C
Knauss, D. M. See Dorgan, J. R., 3100P
Knoll, K. See Lach R., 429P
Ko, S. See Jang, J., 2258C
Ko, Y. G.
—; Shin, D. H.; Choi, U. S.: Pinecone-Like Cu(II) Crystal Growth on the Surface of Amine-Group-Immobilized Polymers, 1238C
Kobayashi, M.
—; Chiba, T.; Tsuda, K.; Takeishi, M.: Anionic Polymerization of *N,N*-Dialkylacrylamides Containing Alkoxysilyl Groups in the Presence of Lewis Acids, 2754C
—; Uchino, K.; Ishizone, T.: Synthesis of Well-Defined Polymers End-Functionalized with Crosslinkable Aziridine Groups by Living Anionic Polymerization, 4126C
Kobayashi, S.
—; Challenge of Synthetic Cellulose, 693C
—; See Higashimura, H., 1955C
Kobayashi, T. See Mori, T., 4942C
Kobori, K. See Tokumitsu, K., 2259P
Kodaka, M. See Du, Y.-Z., 562C
Kogler, F. R. See Gao, Y., 6586C
Kohama, S.-I.
—; Kimura, K.; Yamashita, Y.: Nonstoichiometric Polycondensation of 4-Acetoxybenzoic Acid in the Presence of Monoacetate, 1757C
—; See Kimura, K., 1624C
Kohjiya, S. See Saikrasun S. 135P
Kohsaka, T. See Yokota, K., 5041C
Koike, M. See Inomata, K., 79P
Koike, Y.
—; Cakmak, M.: Role of Molten Fraction on the Structural Evolution in Stretching and Cooling of Crosslinked Low-Density Polyethylene: Real-Time Mechano-Optical Measurements, 1825P
Kojoh, S.-I. See Kaneko, H., 5103C
Komatsu, H.
—; Hino, T.; Endo, T.: Novel Thermally Latent Self-Crosslinkable Copolymers Bearing Oxetane and Hemiacetal Ester Moieties: The Synthesis, Self-Crosslinking Behavior, and Thermal Properties, 4260C
Komatsu, S. See Inoue, K., 2898P
Komber, H. See Gramm S., 142C; Rueda, J. C., 122C
Komoriyama, K. See Yamaguchi, T.1090P
Kondo, T. See Watabe, Y., 2048C
Kondoh, S. See Kimura, K., 1624C
Kong, J. See Qiao, W.-Q., 3067C
Kong, X. Z. See Jones, J. A., 6095C
Koning, C. E. See Smit, M., 2734C; Tillier, D. L., 3600C
Kontou, E. See Niaounakis, M., 1712P
Koo, C. M.
—; Kim, J. H.; Wang, K. H.; Chung, I. J.: Melt-

Extensional Properties and Orientation Behaviors of Polypropylene-Layered Silicate Nanocomposites, 158P

Koo, D.-S. See Jin, S.-H., 5062C

Koso, K. See Yoshikawa, M., 385C

Kostakis, K.

—; Mourmouris, S.; Kotakis, K.; Nikogeorgos, N.; Pitsikalis, M.; Hadjichristidis, N.: Influence of the Cocatalyst Structure on the Statistical Copolymerization of Methyl Methacrylate with Bulky Methacrylates Using the Zirconocene Complex Cp_2ZrMe_2, 3305C

—; Mourmouris, S.; Pitsikalis, M.; Hadjichristidis, N.: Polymerization of Acrylates and Bulky Methacrylates with the Use of Zirconocene Precursors: Block Copolymers with Methyl Methacrylate, 3337C

—; See Mourmouris, S., 6503C

Kotaki, M. See Inai, R., 3205P

Kotakis, K. See Kostakis, K., 3305C

Kotal, A.

—; Mandal, T. K.; Walt, D. R.: Synthesis of Gold–Poly (methyl methacrylate) Core–Shell Nanoparticles by Surface-Confined Atom Transfer Radical Polymerization at Elevated Temperature, 3631C

Kotsilkova, R.

—; Fragiadakis, D.; Pissis, P.: Reinforcement Effect of Carbon Nanofillers in an Epoxy Resin System: Rheology, Molecular Dynamics, and Mechanical Studies, 522P

Koutalas, G.

—; Lohse, D. J.; Hadjichristidis, N.: Novel Block–Comb/Graft Copolymers with the Macromonomer Strategy and Anionic Polymerization, 4040C

Kowsari, E. See Mallakpour, S., 6545C

Kozlovsky, M.

—; Skarp, K.: Kinetically Controlled Phase Transitions in Liquid-Crystalline Polymers. II. Isothermal Degradation of Ferroelectric Switching in a Chiral Side-Chain Polysiloxane during Slow Smectic B Phase Formation, 1779P

—; See Boiko, N. I., 2352P

Kozono, Y. See Tokumitsu, K., 2259P

Krajnc, M. See Šebenik, U., 844C, 4050C

Krajnc, P.

—; Štefanec, D.; Brown, J. F.; Cameron, N. R.: Aryl Acrylate Based High-Internal-Phase Emulsions as Precursors for Reactive Monolithic Polymer Supports, 296C

Krakovskı, I.

—; Sánchez, M. S.: Thermal Transitions and Structure of Expoy Networks Based on α, ω-Diamino Terminated Poly(propylene oxide)-*block*-poly(ethylene oxide)-*block*-poly (propylene oxide) Swollen in Water, 699P

Kramer, E. J.:

—; Viewpoint: Open Questions in the Physics of Deformation of Polymer Glasses, 3369P

Krause, T. See Yin, M., 1873C

Krausz, P. See Joly, N., 407C

Kremer, K. See Sukumaran, S. K., 917P

Kricheldorf, H. F.

—; Vakhtangishvili, L.; Schwarz, G.; Prosenc, M.: Multicyclic Polyethers with Pendant Keto Groups by Polycondensation of Silylated 1,1,1-Tris(4-hydroxyphenyl)ethane, 6233C

Kricheldorf, H. R.

—; Böhme, S.; Schwarz, G.; Schultz, C.-L.: Synthesis of Cyclic Polycarbonates by the Direct Phosgenation of Bisphenol M, 1248C

—; Fan, S.-C.; Vakhtangishvili, L.; Schwarz, G.; Fritsch, D.: Polymides Based on New Diamines Having Pendant Imide Groups, 6272C

—; Garaleh, M.; Schwarz, G.: Cyclic Poly(pyridine ether)s by the Polycondensation of 2,6-Difluoropyridine with Various Diphenols, 4781C

—; Hachmann-Thiessen, H.: Copolymerization of ϵ-Caprolactone and Glycolide—A Comparison of Bismuth (III) Hexanoate and Tin(II) Octanoate as Initiators, 3268C

—; Hachmann-Thiessen, H.; Schwarz, G.: Syntheses of Trimethoxysilyl-Endcapped Polylactones via 3-Mercaptopropyl Trimethoxysilane, 3667C

—; Von Lossow, C.; Schwarz, G.: Imidazole-Initiated Polymerizations of α-Amino Acid *N*-Carboxyanhydrides–Simultaneous Chain-Growth and Step-Growth Polymerization, 5690C

Krishnamoorthy, K. See Mishra, S. P., 419C

Krishnan, P. S. G.

—; He, C.: Octa (maleimido phenyl) Silsesquioxane Copolymers, 2483C

Kuan, C.-F. See Ma, C.-C. M., 1076

Kuan, H.-C.

—; Ma, C.-C. M.; Chuang, W.-P.; Su, H.-Y.: Hydrogen Bonding, Mechanical Properties, and Surface Morphology of Clay/Waterborne Polyurethane Nanocomposites, 1P

—; See Ma, C.-C. M., 345P, 1076P; Wu, H.-L., 6084C

Kübel, C. See Martin, D. C., 1749P

Kubisa, P.

—; Ionic Liquids in the Synthesis and Modification of Polymers, 4675C

—; See Biedroń, T., 3454C, 3788C

Kubo, M.

—; Matsuura, T.; Morimoto, H.; Uno, T.; Itoh, T.: Preparation and Polymerization of a Water-Soluble, Nonbonding Crosslinking Agent for a Mechanically Crosslinked Hydrogel, 5032C

—; See Mitsuda, Y., 5195C

Kubo, T.

—; Hosoya, K.; Watabe, Y.; Tanaka, N.; Sano, T.; Kaya, K.: Dependence of the Pretreatment Efficiency of Polymer-Based Adsorbents for Environmental Water on Their Uniformity and Size, 2112C

—; See Hosoya, K., 2556C; Watabe, Y., 2048C

Kubota, K. See Fukumoto, H., 215P

Kubota, M. See Higashimura, H., 1955C

Kudo, H. See Maruyama, K., 4642C; Nishikubo, T., 2028C; Ono, Y., 4412C
Kudoh, H. See Wach, R. A., 505C
Kudryashov, E. See Van Durme, K., 1283P
Kulkarni, M. V.
—; Viswanath, A. K.; Aiyer, R. C.; Khanna, P. K.: Synthesis, Characterization, and Morphology of *p*-Toluene Sulfonic Acid-Doped Polyaniline: A Material for Humidity Sensing Application, 2161P
Kulkarni, S. S. See Phadke, M. A., 2061P, 2074P
Kumar, A. See Mishra, S. P., 419C; Ojha, U. P., 5823C; Ranganathan, T., 1903C
Kumar, P. See Barnes, M. D., 1571P
Kunii, S. See Takagi, K., 2119C
Kuo, C.-W. See Ho, K.-S., 3116C
Kuo, J.-C. See Tsai, J.-C., 2304C
Kuo, P.-L.
—; Chen, W.-F.; Liang, W.-J.: Proton Transportation in an Organic-Inorganic Hybrid Polymer Electrolyte Based on a Polysiloxane/Poly(allylamine) Network, 3359C
Kuo, W.-F. See Wu, J.-Y., 3242P
Kuppa, V.
—; Manias, E: Effect of Cation Exchange Capacity on the Structure and Dynamics of Poly(ethylene oxide) in Li^+ Montmorillonite Nanocomposites, 3460P
Kura, H.
—; Oka, H.; Ohwa, M.; Matsumura, T.; Kimura, A.; Iwasaki, Y.; Ohno, T.; Matsumura, M.; Murai, H.: Photochemistry and Photocuring Properties of Thiol-Substituted α-Aminoalkylphenone as Radical Photoinitiator, 1684P
Kurata, T. See Liang, F., 5765C
Kuroda, S.-I. See Yamamoto, T., 6223C, 2219P
Kuthanová, V. See Li, J., 1260P
Kwak, J. W. See Lyoo, W. S., 789C
Kwee, T. See Rajan, G. S., 1475P
Kwon, J.
—; Kim, H.: Comparison of the Properties of Waterborne Polyurethane/Multiwalled Carbon Nanotube and Acid-Treated Multiwalled Carbon Nanotube Composites Prepared by *In Situ* Polymerization, 3973C
Kwon, S.-K. See Kim, Y.-H., 6515C; Lee, K.-S., 2316C
Kwon, Y. See Puskas, J. E., 1811C

Lach, R.
—; Weidisch, R.; Knoll, K.: Morphology and Mechanical Properties of Binary Triblock Copolymer Blends, 429P
Lacoste, J.-F.
—; Bounor-Legaré, V.; Llauro, M.-F.; Monnet, C.; Cassagnau, P.; Michel, A.: Functionalization of Poly(ethylene terephthalate) in the Melt State: Chemical and Rheological Aspects, 2207C
Lafitte, B.
—; Jannasch, P.: Phosphonation of Polysulfones via Lithiation and Reaction with Chlorophosphonic Acid Esters, 273C
Lafuente, A. See García-Cañadas, J., 2407C; Rodríguez, J. G., 5987C, 6438C
Lai, L. M.
—; Lam, J. W. Y.; Cheuk, K. K. L.; Sung, H. H. Y.; Williams, I. D.; Tang, B. Z.: Optically Active Polyacetylene: Synthesis and Helical Conformation of a Poly (phenylacetylene) Carrying L-Alanyl-L-alanine Pendants, 3701C
Lai, M.-K. See Huang, H.-M., 4710C
Lai, S.-M.
—; Wu, T.-H.: Fracture Behaviors of Silane-Cured Metallocene-Catalyzed Polyethylene Thermoplastic Vulcanizate, 2207P
Lai, Z.
—; Sudol, E. D.; Dimonie, V. L.; El-Aasser, M. S.: Determination of the Extent of Incorporation of a Reactive Surfactant in Polystyrene Latex Particles via GPC, 2675C
Lakouraj, M. M. See Yeganeh, H., 2985C
Lam, J. W. Y. See Lai, L. M., 3701C
Lam, L. S. M. See Tse, C. W., 1292C
Lam, T. Y.
—; Lau, S. T.; Chan, H. L. W.; Choy, C. L.; Cheung, W. Y.; Wong, S. P.: Modification of the Structure and Properties of Poly(vinylidene fluoride-trifluoroethylene) 56/44 mol % Copolymer by a Proton-Irradiation Treatment, 2334P
Lam, Y. C. See Jiang, L., 2683P
Landoll, L. M. See Somlai, L. S., 1230P
Langer, R. See Lendlein, A., 1369C
Laredo, E.
—; Grimau, M.; Bello, A.; Sánchez, F.; Gómez, M. A.; Marco, C.; Campoy, I.; Arribas, J. M.: The Effect of Compatibilization on the Dynamic Properties of Polypropylene/Nylon-6 Blends Studied by Broad Band Dielectric Spectroscopy, 1408P
Larocca, N. M.
—; Hage, E., Jr.: Pessan, L. A.: Effect of Reactive Compatibilization on the Properties of Poly(butylene terephthalate)/Acrylonitrile-Ethylene-Propylene-Diene-Styrene Blends, 1244P
Laskoski, M.
—; Dominguez, D. D.; Keller, T. M.: Synthesis and Properties of a Bisphenol A Based Phthalonitrile Resin, 4136C
Látalová, P. See Toman, L., 3823C
Lau, R. See Wegrzyn, J. K., 2977C
Lau, S. T. See Lam, T. Y., 2334P
Laza, J. M.
—; Vilas, J. L.; Garay, M. T.; Rodríguez, M.; León, L. M.: Dynamic Mechanical Properties of Epoxy-Phenolic Mixtures, 1548P
Leamen, M. J.
—; McManus, N. T.; Penlidis, A.: Binary Copolymerization with Full Depropagation: A Study of Methyl Methacrylate/α-Methyl Styrene Copolymerization, 3868C
Lebedeva, E.
—; Kesler, B. S.; Carter, K. R.: Two-Sided Comb Poly(amic ester)–Poly(propylene oxide)

Graft Copolymers as Porous Polyimide Precursors, 2266C
Lebovitz, A. H. See Brinker, K. L., 3413P
Lee, B. H. See Jung, H., 3566C
Lee, C. See Sundar, S., 2370P; Yang, S.-J., 1455P
Lee, C.-F.
—; Effects of Surfactants on the Morphology of Composite Polymer Particles Produced by Two-Stage Seeded Emulsion Polymerization, 2224C
—; Tsai, H.-H.; Wang, L.-Y.; Chen, C.-F.; Chiu, W.-Y.: Synthesis and Properties of Silica/Polystyrene/Polyaniline Conductive Composite Particles, 342C
—; See Wang, P.-C., 1342C
Lee, C. J. See Lyoo, W. S., 789C
Lee, D. H.
—; Lee, J. H.; Cho, M. S.; Choi, S. H.; Lee, Y. K.; Nam, J. D.: Viscoelastic Characteristics of Plasticized Cellulose Nanocomposites, 59P
Lee, D.-H. See Hong, J.-T., 2790C
Lee, G.-H. See Su, H.-J., 859C
Lee, H.-J.
—; Lee, K.; Choi, N.: Controlled Anionic Synthesis of Star-Shaped Polystyrene by the Incremental Addition of Divinylbenzene, 870C
Lee, H. S. See Hong, J. H., 3171P
Lee, J.
—; Jung, B.-J.; Lee, S. K.; Lee, J.-I.; Cho, H.-J.; Shim, H.-K.: Fluorene-Based Alternating Polymers Containing Electron-Withdrawing Bithiazole Units: Preparation and Device Applications, 1845C
Lee, J. H. See Lee, D. H., 59P
Lee, J.-I. See Lee, J., 1845C
Lee, J. K.
—; Lee, T. S.: Newly Synthesized Polybenzoxazole Derivative with an Adjacent Hydroxyphenyl Ring for Optical Sensing, 1397C
Lee, J.-S. See Shin Y.-D., 607C
Lee, J. W. See Jin, S.-H., 5062C
Lee, K. See Jung, H., 3566C; Lee, H.-J., 870C
Lee, K.-S.
—; Kim, Y.-H.; Lee, Y.; Jang, J.; Kwon, S.-K.: Synthesis and Characterization of Stable Blue Light-Emitting Poly(spirobifluorene) Derivatives Containing Alkoxy Group, 2316C
Lee, L.-B. W.
—; Register, R. A.; Dean, D. M.: Origin of Directional Tear in Blown Films of Ethylene/Methacrylic Acid Copolymers and Ionomers, 97P
—; Register, R. A.; Dean, D. M.: Tear Anisotropy in Films Blown from Polyethylenes of Different Macromolecular Architectures, 413P
Lee, M. S. M. See Massa, M. V., 3438P
Lee, N. S.
—; Gädda, T. M.; Weber, W. P.: Preparation, Characterization, and Thermal Properties of *alt*-Copoly[1,9-decaphenylpentasiloxanylene/1,3-bis(ethylene)permethyl-oligosiloxanylene]s, 6146C
Lee, P. P. S.
—; Ngai, T.; Yang, C.; Wu, C.; Ng, D. K. P.: Synthesis, Characterization, and Degradation of Silicon(IV) Phthalocyanines Conjugated Axially with Poly(sebacic anhydride), 837C
Lee, R.-S.
—; Yang, J.-M.: Synthesis of Three-Armed Poly(*trans*-4-Hydroxy-*N*-benzyloxycarbonyl-L-proline)-*block*-poly(ϵ-caprolactone) Copolymers, 1708C
Lee, S. K. See Jung, M.-S., 5520C; Lee, J., 1845C
Lee, S. M.
—; Choi, S. W.; Nho, Y. C.; Song, H. H.: Modification of Microstructures and Physical properties of Ultra High Molecular Weight Polyethylene by Electron Beam Irradiation, 3019P
Lee, S.-W. See Ho, K.-S., 3116C
Lee, T. H. See Eo, Y.-J., 827P
Lee, T. S. See Lee, J. K., 1397C
Lee, W. D.
—; Im, S. S.: Crystallization Behavior of P(en-co-ET) Copolyesters: Crystallization Kinetics and Morphology Revealed by DSC, Time-Resolved SAXS Analysis, and TEM, 805P
Lee, Y. See Lee, K.-S., 2316C
Lee, Y. K. See Lee, D. H., 59P
Lee, Y. M. See Kim, D. S., 5620C
Lee, Y.-T. See Han, C.-C., 1767C
Leelapornpisit, W.
—; Ton-That, M.-T.; Perrin-Sarazin, F.; Cole, K. C.; Denault, J.; Simard, B.: Effect of Carbon Nanotubes on the Crystallization and Properties of Polypropylene, 2445P
Lefebvre, H. See Néry, L., 1331C
Lehman, S. E., Jr.
—; Wagener, K. B.; Akvan, S.: Synthesis and Metathesis Activity of Ruthenium Dimethylvinyl Carbene Complexes, 6134C
Leiza, J R. See Bouvier-Fontes, L., 4684C
Lele, A. See Ray, S., 304C
Lellinger, D. See Holst, M., 2314P
Lemstra, P. J. See Rajan, M., 575C
Lendlein, A.
—; Schmidt, A. M.; Schroeter, M.; Langer, R.: Shape-Memory Polymer Networks from Oligo(ϵ-caprolactone) Dimethacrylates, 1369C
León, L. M. See Laza, J. M., 1548P
Leterrier, J.-F. See Dalhaimer, P., 280P
Leuteritz, A. See Dudkina, M. M., 2493P
Lewis, L. L.
—; Debisschop, C. S.; Pojman, J. A.; Volpert, V. A.: Isothermal Frontal Polymerization: Confirmation of the Mechanism and Determination of Factors Affecting the Front Velocity, Front Shape, and Propagation Distance with Comparison to Mathematical Modeling, 5774C
Li, B.
—; Li, C.; Zhao, D.; Xu, J.; Fan, Q.: Investigation of the Sub-Melting-Temperature Exotherm in Melt-Quenched Polyamide-6/Clay Nanocomposites, 378P
—; See Yang, L., 4972C
Li, C.
—; Benicewicz, B. C.: α-Cyanobenzyl Dithioester Reversible Addition-Fragmentation Chain-Transfer Agents for

Controlled Radical Polymerizations, 1535C
—; See Li, B., 378P; Liu, X., 2694P; Zhang, L., 1113P
Li, C.-P.
—; Huang, C.-M.; Hsieh, M.-T.; Wei, K.-H.: Properties of Covalently Bonded Layered-Silicate/Polystyrene Nanocomposites Synthesized via Atom Transfer Radical Polymerization, 534C
Li, C. Q. See Zhang, T., 2417C
Li, C.-Y.
—; Chiu, W.-Y.; Don, T.-M.: Preparation of Polyurethane Dispersions by Miniemulsion Polymerization, 4870C
Li, G.
—; Bhosale, S.,; Tao, S.; Bhosale, S.; Fuhrhop, J.-H.: Conducting Polythiophenes with a Broad Spectrum of Reactive Groups, 4547C
—; Pang, S.; Peng, H.; Wang, Z.; Cui, Z.; Zhang, Z.: Templateless and Surfactantless Route to the Synthesis of Polyaniline Nanofibers, 4012C
—; See Liang, K., 3887C; Shi, Y., 203C
Li, G. Z.
—; Cho, H.; Wang, L.; Toghiani, H.; Pittman, C. U., Jr.: Synthesis and Properties of Poly(isobutyl methacrylate-*co*-butanediol dimethacrylate-*co*-methacryl polyhedral oligomeric silsesquioxane) Nanocomposites, 355C
Li, H.
—; Yao, Y.; Yao, C.; Sheng, H.; Shen, Q.: Homo- and Copolymerization of 2,2-Dimethyltrimethylene Carbonate Promoted by Samarium Thiolate Derivatives: Novel and Versatile Initiators, 1312C
—; See Zhang, X., 5944C
Li, J.
—; Liang, M.; Guo, S.; Kuthanová, V.; Hausnerová, B.: Linear Viscoelastic Properties of High-Density Polyethylene/Polyamide-6 Blends Extruded in the Presence of Ultrasonic Oscillations, 1260P
—; Xiao, H.; Kim, Y. S.; Lowe, T. L.: Synthesis of Water-Soluble Cationic Polymers with Star-Like Structure Based on Cyclodextrin Core via ATRP, 6345C
—; See Cong, Y., 2181P; Huang, B., 4517C
Li, K.
—; Guo, L.; Liang, Z.; Thiyagarajan, P.; Wang, Q.: Oligo(*p*-phenyleneethynylene)-Based Coil–Rod–Coil Triblock Copolymer: Synthesis and Controlled Self-Organization in Solution, 6007C
Li, L. See Wang, Q., 1559C; Xu, Z.-S., 2368C
Li, L. Y. T. See Drockenmuller, E., 1028C
Li, M. See Min, K., 3616C
Li, Q. See Yang, J., 373C
—; Jiang, P.; Wei, P.: Studies on the Properties of Polypropylene with a New Silicon-Containing Intumescent Flame Retardant, 2548P
Li, R. K. Y. See Yuan, Q., 306P; Zhao, H., 3652P
Li, S. See Hua, J., 1317C; Huang, M.-H., 4196C
Li, T. See Chen, Z., 2514P
Li, X. See Wang, N., 2851C; Xu J., 2892C
—; Zhang, Y.; Yang, R.; Huang, J.; Yang, W.; Cao, Y.: Novel Saturated Red-Emitting Poly(*p*-phenylenevinylene) Copolymers with Narrow-Band-Gap Units of 2,1,3-Benzothiadiazole Synthesized by a Palladium-Catalyzed Stille Coupling Reaction, 2325C
Li, X. H. See Wang, L., 6411C
Li, Y. See Liao, M., 1344P; Ma, D., 488P; Wang, N., 2851C; Xu J., 2892C; Yang, J., 373C; Yang, R., 823C
Li, Y.-S. See Chen, J., 1562C; Tang, L.-M., 1681C, 6323C
Li, Z.
—; Jiang, C.: Investigation of the Dynamics of Poly(ether sulfone) Membrane Formation by Immersion Precipitation, 498P
—; See Cui, M., 2476C; Hua, J., 1317C; Wan, D., 5458C; Wang, H., 493C; Wu, H., 2121P, 3030P
Li, Z.-C. See Meng, J.-Q., 752C; Wang, B.-B., 5512C
Li, Z. H.
—; Zhang, Y. M.; Xue, M. Z.; Zhou, L.; Liu, Y. G.: Atom Transfer Radical Polymerization of Methyl Methacrylate Catalyzed by Cobalt Catalyst System, 5207C
Liang, F.
—; Kurata, T.; Nishide, H.; Kido, J.: Synthesis and Electrochemical and Electroluminescent Properties of *N*-Phenylcarbazole-Substituted Poly(*p*-phenylenevinylene), 5765C
Liang, G. D. See Tjong, S. C., 3112P
Liang, K.
—; Toghiani, H.; Li, G.; Pittman, C. U., Jr.: Synthesis, Morphology, and Viscoelastic Properties of Cyanate Ester/Polyhedral Oligomeric Silsesquioxane Nanocomposites, 3887C
Liang, K. S. See Yeh, S.-W., 1220P
Liang, M. See Li, J., 1260P
Liang, Q.-Z. See Guan, H.-L., 1144C
Liang, S. See Wang, K., 2005P
Liang, W.-J. See Kuo, P.-L., 3359C
Liang, Y. See Wang, H., 493C
Liang, Y.-R.
—; Ma, J.; Lu, Y.-L.; Wu, Y.-P.; Zhang, L.-Q.; Mai, Y.-W.: Effects of Heat and Pressure on Intercalation Structures of Isobutylene-Isoprene Rubber/Clay Nancomposites. I. Prepared by Melt Blending, 2653P
Liang, Z. See Li, K., 6007C
Liao, L.
—; Ding, L.; Karasz, F. E.; Pang, Y.: Blue-Emitting Poly(1,3-phenylenevinylene) Derivatives: Effect of Substitution Patterns on Optical Properties, 2800C
Liao, M.
—; Shan, W.; Zhu, J.; Li, Y.; Xu, H.: Structure and Properties of Rubber/Organic Montmorillonite Nanocomposites Prepared by *In Situ* Anionic Intercalation Polymerization, 1344P
Liao, Y. See Zhu, J., 2874P
Liaw, D.-J.
—; Chen, T.-P.; Huang, C.-C.: Novel Active Ester-Bridged Copolynorbornene, Materials Containing Terminal

Functional Hydroxyl, Amino, Methacryloyl, or Ammonium Groups via Ring-Opening Metathesis Polymerization, 4233C
—; Optically High Transparency and Light Color of Organosoluble Polyamides Containing Trifluoromethyl and Kink Diphenylmethylene Linkage, 4559C
Libiszowski, J. See Danko, M., 4586C
Lillehei, P. T. See McLachlan, D. S., 3273P
Lima, V.
—; Jiang, X.; Brokken-Zijp, J.; Schoenmakers, P. J.; Klumperman, B.; Van Der Linde, R.: Synthesis and Characterization of Telechelic Polymethacrylates via RAFT Polymerization, 959C
Limoges, B. R. See Dorgan, J. R., 3100P
Lin, C. See Zhu, C., 4017C
Lin, C. H.
—; Cai, S. X.; Lin, C. H.: Flame-Retardant Epoxy Resins with High Glass-Transition Temperatures. II. Using a Novel Hexafunctional Curing Agent: 9,10-Dihydro-9-oxa-10-phosphaphenanthrene 10-yl-tris(4-aminophenyl) methane, 5971C
—; See Cai S. X., 2862C; Lin, C. H., 5971C
Lin, C.-L.
—; Chiu, W.-Y.: Thermally Responsive Complex Polymer Networks Containing Fe_3O_4 Nanoparticles: Composition/Morphology/Property Relationship, 5923C
Lin, D.-T. See Wang, P.-C., 1342C
Lin, G. See Cao, H., 2433P
Lin, H.-C. See Sung, H.-H., 2700C
Lin, H.-L.
—; Yu, T. L.; Huang, C.-H.; Lin, T.-L.: Morphology Study of Nafion Membranes Prepared by Solutions Casting, 3044P
Lin, J. See Cai, J., 2885P; Cong, Y., 2181P; Yu, T., 3127P
Lin, J.-J. See Ho, K.-S., 3116C
Lin, K.-F. See Chou, H.-L., 1705P; Fan, Y.-L., 2502C
Lin, K.-H. See Hsiao, S.-H., 331C
Lin, S. A. See Zou, H., 1325C
Lin, T.-L. See Lin, H.-L., 3044P
Lin, Y.-S.
—; Liu, H.-M.; Tsai, C.-W.: Nitrogen Plasma Modification on Polyimide Films for Copper Metallization on Microelectronic Flex Substrates, 2023P
Lind, P. See Vestberg, R., 1177C
Ling, J.
—; Chen, W.; Shen, Z.: Synthesis and Characterization of Poly(DTC-*b*-PEG-*b*-DTC) Triblock and Poly (TMC-*b*-DTC-*b*-PEG-*b*-DTC-*b*-TMC) Pentablock Copolymers and Kinetics of the Polymerization, 1787C
Ling, L. See Xu, X., 3153C
Linhardt, J. C. See Broeren, M. A. C., 6431C
Lionetto, F.
—; Maffezzoli, A.: Relaxations during the Postcure of Unsaturated Polyester Networks by Ultrasonic Wave Propagation, Dynamic Mechanical Analysis, and Dielectric Analysis, 596P
Liou, G.-S.
Hsiao, S.-H.; Su, T.-H.: Novel Thermally Stable Poly(amine hydrazide)s and Poly(amine-1,3,4-oxadiazole)s for Luminescent and Electrochromic Materials, 3245C
—; See Su, T.-H., 2085C
Lipponen, S.
—; Seppälä, J.: Ethylene/Silane Copolymers Prepared with a Metallocene Catalyst as Polymeric Additives in Polyethylene/Aluminum Trihydroxide Composites, 5597C
Liska, R.
—; Seidl, B.: 1,5-Diphenyl-1,4-diyn-3-one: A Highly Efficient Photoinitiator, 101C
Liskova, A. See Parent, J. S., 5671C
Lisovskii, A. See Volkis, V., 4505C
Liu, A. See Qiu, X., 5177C
Liu, B.
—; Hu, W.; Matsumoto, T.; Jiang, Z.; Ando, S.: Synthesis and Characterizatiion of Organosoluble Ditrifluoromethylated Aromatic Polyimides, 3018C
—; Perrier, S.: Thermoresponsive Micelles from Well-Defined Block Copolymers Synthesized via Reversible Addition–Fragmentation Chain Transfer Polymerization, 3643C
—; See Fang, Y., 4632C
Liu, C. See Zhang, J., 241P
Liu, H. See Ma, Z., 3433C; Ramanathan, T., 2269P; Wang, N., 2851C; Xie, T., 3213P
Liu, H.-M. See Lin, Y.-S., 2023P
Liu, I.-C. See Huang, H.-M., 4710C
Liu, J.
—; Qiu, Z.; Jungnickel, B.-J.: Crystallization and Morphology of Poly(vinylidene fluoride)/Poly(3-hydroxybutyrate) Blends. III. Crystallization and Phase Diagram by Differential Scanning Calorimetry, 287P
—; See Hong, C.-Y., 6379C; Liu, Z., 1019C; Xu J., 2892C
Liu, K. See Gravano, S. M., 3675C
Liu, P. See Lu, X., 3394C; Wang, Q., 5506C
Liu, Q.
—; Zhang, P.; Lu, M.: Synthesis and Swelling Behavior of Comb-Type Grafted Hydrogels by Reversible Addition–Fragmentation Chain Transfer Polymerization, 2615C
—; See Zhang, X., 4857C
Liu, Q. L.
—; Cheng, Z. F.: A Modified UNIFAC Model for the Prediction of Phase Equilibrium for Polymer Solutions, 2541P
—; Cheng, Z. F.: New Free-Volume-Related Activity Model for Polymer Solutions, 3299P
Liu, R. Y. F. See Hiltner, A., 1047P; Somlai, L. S., 1230P
Liu, S.
—; Chan, C.-M.; Weng, L.-T.; Jiang, M.: Surface Segregation in Polymer Blends and Interpolymer Complexes with Increasing Hydrogen Bonding Interactions, 1924P
Liu, S. L. See Teoh, M. M., 2230P
Liu, T.
—; Casado-Portilla, R.; Belmont, J.; Matyjaszewski, K.: ATRP of Butyl Acrylates from

Functionalized Carbon Black Surfaces, 4695C
—; Desimone, J. M.; Roberts, G. W.: Continuous Precipitation Polymerization of Acrylic Acid in Supercritical Carbon Dioxide: The Polymerization Rate and the Polymer Molecular Weight, 2546C
Liu, X.
—; Li, C.; Guan, G.; Yuan, X.; Xiao, Y.; Zhang, D.: Crystallization Behavior and Morphology of Poly(butylene succinate) Modified with Rosin Maleopimaric Acid Anhydride, 2694P
—; Tang, J.; Zheng, Y.; Gu, Y.: Formation of New Banded Spherulites in Polyimides, 1997P
—; See An, Q., 1973C; Chen, Z., 2514P
Liu, Y. See Chen, Z., 1332P; He, Y., 2617P; Huang, B., 4517C; Wang, D., 5127C; Wang, H., 493C; Wang, N., 2851C
Liu, Y. G. See Li, Z. H., 5207C
Liu, Y.-L.
—; Chang, G.-P.; Wu, C.-S.; Chiu, Y.-S.: Preparation and Properties of High Performance Epoxy-Silsesquioxane Hybrid Resins Prepared Using a Maleimide–Alkoxysilane Compound as a Modifier, 5787C
—; Chou, C.-I.: High Performance Benzoxazine Monomers and Polymers Containing Furan Groups, 5267C
—; See Wu, C.-S., 1923C
Liu, Y.-S. See Meng, J.-Q., 752C
Liu, Y.-Y.
—; Fan, X.-D.; Zhao, Y.-B.: Synthesis and Characterization of a Poly(*N*-isopropylacrylamide) with β-Cyclodextrin as Pendant Groups, 3516C
—; See Qiao, W.-Q., 3067C
Liu, Z.
—; Gao, S.; Chen, T.: Fluorescein-Formaldehyde Oligomeric pH Indicator: Facile Synthesis, Characterization, and Potential Application, 3447C
—; Liu, J.; Chen, T.: Facile Synthesis, Characterization, and Potential Applications of Two Kinds of Polymeric pH Indicators: Phenolpthalein Formaldehyde and *o*-Cresolphtalein Formaldehyde, 1019C
Lizong, D. See Jianying, H., 5246C
Llauro, M.-F. See Lacoste, J.-F., 2207C
Lligadas, G.
—; Callau, L.; Ronda, J. C.; Galiá M.; Cádiz, V.: Novel Organic–Inorganic Hybrid Materials from Renewable Resources: Hydrosilyation of Fatty Acid Derivatives, 6295C
Lodge, T. P. See Chastek, T. Q., 405P; Zhu, S., 3685P
Löfgren, B. See Ibrahim, K., 5049C; Seraidaris, T., 6455C
Lohmeijer, B. G. G.
—; Schubert, U. S.: The LEGO Toolbox: Supramolecular Building Blocks by Nitroxide-Mediated Controlled Radical Polymerization, 6331C
Lohse, D. J. See Christodoulou, S., 4030C; Driva, P., 4070C; Koutalas, G., 4040C
Long, K. See Hua, J., 1317C
Long, T. E. See Elkins, C. L., 4618C; Viswanathan, K., 3655C; Williamson, D. T., 1216C
Loos, J. See Smit, M., 2734C
Lopes, C. See Vestberg, R., 1177C
López, D. See Hernández, R., 1944P
López, M. See Martínez, S., 711C
López-González, M. See Nunes, R. C. R., 2131P
Lorenzetti, C. See Vannini, L., 1441P
Lotti, N. See Finelli, L., 2677P; Vannini, L., 1441P
Lou, X. See Jayakannan M., 1454C
Lou, Y. See Yang, L., 4972C
Loupy, A. See Caouthar, A., 6480C
Lousenberg, R. D.
—; Molar Mass Distributions and Viscosity Behavior of Perfluorinated Sulfonic Acid Polyelectrolyte Aqueous Dispersions, 421P
Loverde, S. M.
—; Ermoshkin, A. V.; De La Cruz, M. O.: Thermodynamics of Reversibily Associating Ideal Chains, 796P
Lovinger, A. J.:
—; Viewpoint: Polymer Challenges of a Different Kind, 3372P
Low, T. L. See Li, J., 6345C
Lowe, A. B. See Vasilieva, Y. A., 3141C
Löwik, D. W. P. M. See Ayres, L., 6355C; Broeren, M. A. C., 6431C
Lowther, S. E. See McLachlan, D. S., 3273P
Lozano, A. E. See Ayala, V., 112C; Ferreiro, J. J., 5300C
Lu, C. See Zhao, B., 3966C
Lu, F. See Nie, K., 2594P; Wang, N., 2851C
Lü, H.
—; Zheng, S.: Miscibility and Intermolecular Specific Interactions in Thermosetting Blends of Bisphenol S Epoxy Resin with Poly(ethylene oxide), 359P
Lu, L.
—; Huang, K.: Preparation of Poly(propylene-*co*-γ-butyrolactone carbonate) and Release Profiles of Drug-Loaded Microcapsules, 2468C
Lu, M. See Du, N., 397C; Liu, Q., 2615C
Lu, Q.-W.
—; Macosko, C. W.; Horrion, J.: Melt Aminatioin of Polypropylenes, 4217C
Lü, R. See Chen, Z., 2514P
Lu, S. G. See Guo, S. S., 2972P
Lu, X.
—; He, C.; Liu, P.; Griffin, A. C.: Structures and Properties of Liquid-Crystalline Polymers Based on Laterally Attached Oligo *p*-Phenylenes, 3394C
—; See Toh, C. L., 4731C
Lu, X. F. See Zhao, Y. Y., 2190P
Lü, X.-Q. See Bao, F., 5535C
Lu, Y. See Zhang, X., 5944C; Zhang, Z., 984C
Lu, Y.-H.
—; Zhan, M.-S.: Copolymide Imidization Induced by Far-Infrared Radiation, 2154P
—; Zhan, M.-S.: Studies on Polyimide Imidization in Far-Infrared Radiation, 3621P
Lu, Y.-L. See Liang, Y.-R., 2653P
Lu, Z. See Hua, J., 1317C
Lucien, F. P. See Biasutti, J. D., 2001C
Ludwig, B. See Goodman, C. C., 2657C
Luijten, E. See Guo, L., 959P

Lumelsky, Y. See Dubinsky, S., 1168P

Luo, C.-W. See Hsu, S. L.-C., 6020C

Luo, Y. See An, Q., 1973C

Lupetti, P. See Cappelli, A., 3289C

Lutz, J.-F.
—; Matyjaszewski, K.: Nuclear Magnetic Resonance Monitoring of Chain-End Functionality in the Atom Transfer Radical Polymerization of Styrene, 897C
—; Thünemann, A. F.; Nehring, R.: Preparation by Controlled Radical Polymerization and Self-Asembly via Base-Recognition of Synthetic Polymers Bearing Complementary Nucleobases, 4805C
—; See Denizli, B. K., 1498C, 3440C

Lyoo, W. S.
—; Kwak, J. W.; Yeum, J. H.; Ji, B. C.; Lee, C. J.; Noh, S. K.: Preparation of Ultrahigh-Molecular-Weight Syndiotactic Poly(vinyl pivalate) Monodisperse Microspheres by Low-Temperature Suspension Polymerization of Vinyl Pivalate, 789C

Lyu, S.
—; Sparer, R.; Untereker, D.: Analytical Solutions to Mathematical Models of the Surface and Bulk Erosion of Solid Polymers, 383P

Ma, C.-C. M.
—; Huang, Y.-L.; Kuan, H.-C.; Chiu, Y.-S.: Preparation and Electromagnetic Interference Shielding Characteristics of Novel Carbon-Nanotube/Siloxane/Poly(urea urethane) Nanocomposites, 345P
—; Su, H.-Y.; Kuan, H.-C.; Kuan, C.-F.; Chiang, C.-L.: Hydrogen-Bonding, Crystallinity, and Morphological Properties of Poly(silicic acid)/Waterborne Polyurethane Nanocomposites, 1076P
—; See Kuan, H.-C., 1P; Wu, H.-L., 6084C3

Ma, D.
—; Akpalu, Y. A.; Li, Y.; Siegel, R. W.; Schadler, L. S.: Effect of Titania Nanoparticles on the Morphology of Low Density Polyethylene, 488P

Ma, J. See Liang, Y.-R., 2653P

Ma, R.-T. See Zhang, S.-L., 1177P

Ma, X.
—; Xi, J.; Zhao, X.; Tang, X.: Deswelling Comparison of Temperature-Sensitive Poly(*N*-isopropylacrylamide) Microgels Containing Functional æOH Groups with Different Hydrophilic Long Side Chains, 3575P

Ma, Z.
—; Guan, Y.; Liu, H.: Synthesis and Characterization of Micron-Sized Monodisperse Superparamagnetic Polymer Particles with Amino Groups, 3433C
—; See Wang, W., 2650C

Mabe, G. See Barbosa, S., 2361P

Macfarlane, D. R. See Wooster, T. J., 5072C

Machl, D See Binder, W. H., 188C

Maciejewska, M.
—; Osypiuk, J.; Gawdzik, B.: Preparation and Characterization of the Chromatographic Properties of Ethylene Glycol Dimethacrylate/Divinylbenzene Polymeric Microspheres, 3049C

Macosko, C. W. See Lu, Q.-W., 4217C

Madrigal, L. G. See Thompson, B. C., 1417C

Madruga, E. L. See Cuervo-Rodríguez, R., 4187C; Muñoz-Bonilla, A., 71C

Maeda, S. See Wu, Y., 1354

Maekawa, Y. See Chen, J., 2843P

Maffezzoli, A. See Lionetto, F., 596P

Magome, T. See Baigude, H., 2195C

Magusin, P. C. M. M. See Tillier, D. L., 3600C

Mahesh, K. P. O.
—; Tsujita, Y.; Yoshimizu, H.; Okamoto, S.; Mohan, D.: Study on δ-Form Complex in Syndiotactic Polystyrene–Organic Molecules Systems. IV. formation of Complexes with a Mixture of Solvents and Structural Changes during the Sorption of Solvents by Syndiotactic Polystyrene Mesophase Membranes, 2380P
—; See Sivakumar, M., 1873P

Mahmut, A. See Yamamoto, T., 6223C, 2219P

Mai, Y.-W. See Liang, Y.-R., 2653P; Yu, Z.-Z., 1100P

Majesté, J. C. See Stanescu, P., 1973P

Mäkelä-Vaarne, N. See Seraidaris, T., 6455C

Malda, H. See Broeren, M. A. C., 6431C

Maldonado-Textle, H. See Herrera-Ordonez, J., 1963C

Malinconico, M. See Russo, R., 1205P

Mallakpour, S.
—; Kowsari, E.: Ionic Liquids as Novel Solvent and Catalysts for the Direct Polycondensation of *N,N'*-(4,4′-Oxydiphthaloyl)-bis-L-phenylalanine Diacid with Various Aromatic Diamines, 6545C

Mallapragada, S. K. See Wong, S.-S., 3191P

Malmström, E. See Nyström, A. M., 4496C; Vestberg, R., 1177C

Malta, V. See Finelli, L., 2677P

Malucelli, G. See Bongiovanni, R., 3588C

Man, K. Y. K. See Tse, C. W., 1292C

Mancera, M. See Zamora, F., 4570C

Mandal, T. K. See Kotal, A., 3631C

Mani, P. See Rajan, G. S., 1475P

Manias, E. See Kuppa, V., 3460P

Manisankar, P.
—; Vedhi, C.; Selvanathan, G.: Synthesis and Characterization of Novel Nano Size Electroactive Poly 4,4′-diaminodiphenyl sulphone, 1702C

Manners, I. See Smith, C. W., 2280P

Mano, J. F. See Wang, Y., 3077P

Mansour, S. H.
—; Rozik, N. N; Dirnberger, K.; Ikladious, N. E.: Hyperbranched Polyesters Based on Polycondensation of 1, 3, 5-Tris (2-hydroxyethyl) Cyanuric Acid and 3,5-Dihydroxybenzoic Acid, 3278C

Mantecón, A. See Cervellera, R., 5799C; Fernandez, X., 3421C; Mas, C., 2337C
Marais, S. See Doudou, B. B., 2604P
Marambio, O. G.
—; Pizarro, G. D. C.; Jeria-Orell, M.; Huerta, M.; Olea-Azar, C.; Habicher, W. D.: Poly(*N*-phenylmaleimide-*co*-acrylic acid)–Copper (II) and Poly (*N*-phenylmaleimide-*co*-acrylic acid)–Cobalt(II) Complexes: Synthesis, Characterization, and Thermal Behavior, 4933C
Maranas, J. K. See Sakai, V. G., 2914P
Marcé, R. M. See Fontanals, N., 1718C
Marco, C. See Laredo, E., 1408P
Marcos, M. L. See García-Cañadas, J., 2407C
Marenduzzo, D.
—; Flammini, A.; Trovato, A.; Banavar, J. R.; Maritan, A.: Physics of Thick Polymers, 650P
Margaillan, A. See Nguyen, M. N., 5680C
Marin V See Holder, E., 2765C
Maritan, A. See Marenduzzo, D., 650P
Marmottini, F. See Tammaro, L., 2281C
Marquez, M. See Kim, C.-W., 1673P
Martín, C.
—; Hunt, B. J.; Ebdon, J. R.; Ronda, J. C.; Cádiz, V.: Synthesis, Polymerization, and Effects on the Flame Retardency of Boron-Containing Styrenic Monomers, 6419C
Martin, D. C.
—; Chen, J.; Yang, J.; Drummy, L. F.; Kübel, C.: High Resolution Electron Microscopy of Ordered Polymers and Organic Molecular Crystals: Recent Developments and Future Possibilities, 1749P
Martin, J. W. See Dargaville, T. R., 2503P
Martín, S. See Aguilar, M., 2963P
Martín-Villamil, R. See Rodríguez, J. G., 5987C
Martinelli, A.
—; D'Ilario, L.; Caminiti, R.: Poly(*p*-phenylene sulfide) Nonisothermal Cold-Crystallization, 2725P
Martínez, G.
—; Fernández-Garciá, M.; Sánchez-Chaves, M.: Synthesis and Characterization of *N*-Vinylpyrrolidone-*tert*-Butyl Methacrylate-Methacrylic Acid Terpolymers Having Amino Sugar or Bioactive Amino Side Compounds, 18C
Martínez, M. C. See Martínez, S., 711C
Martínez, S.
—; Exposito, M. T.; Ramos, J.; Cruz, V.; Martínez, M. C.; López, M.; Muñoz-Escalona, A.; Martínez-Salazar, J.: An Experimental and Computational Evaluation of Ethylene/Styrene Copolymerization with a Homogeneous Single-Site Titanium(IV)-Constrained Geometry Catalyst, 711C
Martínez-Salazar, J. See Aguilar, M., 2963P; Martínez, S., 711C
Martuscelli, E. See Cocca, M., 542P
Maruyama, K.
—; Kudo, H.; Ikehara, T.; Ito, N.; Nishikubo, T.: Synthesis of Photocrosslinkable Hyperbranched Polyesters and Their Film Properties, 4642C
—; See Nishikubo, T., 2028C
Mas, C.
—; Mantecón, A.; Serra, A.; Ramis, X.; Salla, J. M.: Improved Thermosets Obtained from Cycloaliphatic Epoxy Resins and γ-Butyrolactone with Lanthanide Triflates as Initiators. I. Study of Curing by Differential Scanning Calorimetry and Fourier Transform Infrared, 2337C
Masař, B. See Toman, L., 3823C
Masci, G.
—; Giacomelli, L.; Crescenzi, V.: Atom Transfer Radical Polymerization of Sodium 2-Acrylamido-2-methylpropanesulfonate, 4446C
Masenelli-Varlot, K. See Dalmas, F., 1186P
Mashiko, M. See Ochiai, B., 5899C
Massa, M. V.
—; Lee, M. S. M.; Dalnoki-Veress, K.: Crystal Nucleation of Polymers Confined to Droplets: Memory Effects, 3438P
Masson, J.-F.
—; Bundalo-Perc, S.; Delgado, A.: Glass Transitions and Mixed Phases in Block SB, 276P
Masuda, S. See Mori, T., 4942C
Masuda, T. See Nakazato, A., 4530C; Zhao, H., 5168C
Matamá, T. See Silva C., 2749C
Mathias, L. J. See Bennett, C., 936C; Dizman, B., 5844C; Nayak, B. R., 5661C
Mathot, V. B. F. See Joubert, D. J., 3000P
Matsko, M. A. See Mikenas, T. B., 2128C
Matsuda, S.-I. See Terui, Y., 2109P
Matsuda, T. See Iwamoto, R., 777P; Nakayama, Y., 3324C
Matsuda, Y.
—; Miyazaki, Y.; Sugihara, S.; Aoshima, S.; Saito, K.; Sato, T.: Phase Separation Behavior of Aqueous Solutions of a Thermoresponsive Polymer, 2937P
—; Sato, T.; Oishi, Y.; Watanabe, H.: Association of Polybutadiene Living Anions in Cyclohexane, 1401P
Matsugi, T. See Kaneko, H., 5103C
Matsuki, M. See Ochiai, B., 584C
Matsumoto, K.
—; Matsuoka, H.: Synthesis of Core-Crosslinked Carbosilane Block Copolymer Micelles and Their Therma Transformation to Silicon-Based Ceramics Nanoparticles, 3778C
—; Shibasaki, Y.; Ando, S.; Ueda, M.: Synthesis of Photosensitive and Thermosetting Poly(phenylene ether) Based on Poly[2,6-di(3-methyl-2-butenyl)phenol-*co*-2,6-dimethyl-phenol] and a Photo-acid Generator, 149C
Matsumoto, T. See Liu, B., 3018C
Matsumura, M. See Kura, H., 1684P
Matsumura, T. See Kura, H., 1684P; Ochi, M., 1631P

Matsuo, S. See Kaneko, H., 5103C
Matsuoka, H. See Matsumoto, K., 3778C
Matsusaki, M. See Serizawa, T., 1062C
Matsushita, Y. See Harada, M., 1214P, 1486P; Takano, A., 2427P
Matsuura, T. See Kubo, M., 5032C
Matsuya, S. See Miura, Y., 4271C
Matsuyama, S See Han, L.-B., 5328C
Mattice, W. L.
—; Helfer, C. A.; Rane, S. S.; Von Meerwall, E. D.; Farmer, B. L.: Some Mechanisms for Subtle Influences of Stereochemical Composition on the Physical Properties of Macromolecules, 1271P
—; See Helfer, C. A., 886P
Matyjaszewski, K. See Denizli, B. K., 3440C; Jakubowski, W., 1498C; Liu, T., 4695C; Lutz, J.-F., 897C; Min, K., 3616C
Maurer, F. H. J. See Colombini, D., 2289P
Mauritz, K. A. See Mountz, D. A., 764P; Rajan, G. S., 1475P
Mawatari, Y. See Huang, K., 2836C
Maya, E. M. See Ayala, V., 112C
Mayershofer, M. G.
—; Nuyken, O.: Living Polymerization of Substituted Acetylenes, 5723C
Mays, J. W. See Uhring, D., 6179C
Mazuyer, D. See Cayer-Barrioz, J., 264P
McAuley, K. B. See Puskas, J. E., 5394C
McCarthy, T. J. See Xiang, H., 3377P
McCormick, C. L. See Vasilieva, Y. A., 3141C
McGrath, J. E. See Wiles, K. B., 2964C
Mckee, M. G. See Elkins, C. L., 4618C
McLachlan, D. S.
—; Chiteme, C.; Park, C.; Wise, K. E.; Lowther, S. E.; Lillehei, P. T.; Siochi, E. J.; Harrison, J. S.: AC and DC Percolative Conductivity of Single Wall Carbon Nanotube Polymer Composites, 3273P
McLean, J. K. See Sengupta, S. S., 4882C
McManus, N. T. See Leamen, M. J., 3868C
Mecking, S. See Schwab, E., 4609C
Meddour, A. See Caouthar, A., 6480C
Megiel, E. See Kaim, A., 1827C
Mehrotra, S. C. See Sengwa, R. J., 1134P
Mehta, A. See Barnes, M. D., 1571P
Mehta, S. See Hu, Y. S., 1365P
Meijer, E. W. See Broeren, M. A. C., 6431C
Meijer, J. T. See Broeren, M. A. C., 6431C
Men Y.
—; Rieger, J.; Hong, K.: Critical Strains in Tensile Deformed Polyamide 6 and 6/66 Copolymer, 87P
Menceloglu, Y. Z. See Bilgin, N., 5312C
Mendichi, R. See Cappelli, A., 3289C
Meng, J. See Hu, X., 994C
Meng, J.-Q.
—; Du, F.-S.; Liu, Y.-S.; Li, Z.-C.: Atom Transfer Radical Polymerization of 6-O-methacryloyl-1,2;3,4-di-O-isopropylidene-D-galactopyranose in Solution, 752C
Meng, Y. Z. See Wang, L., 6411C
Menna, T. J.
—; Filisko, F. E.: Response of a Biphasic Poly(*n*-hexyl isocyanate)/*p*-Xylene Solution to Applied High Electric Fields, 1124P
Mercier, R. See Bas, C., 2413P
Messerschmidt, M. See Yin, M.,1873C
Messori, M. See Bongiovanni, R., 3588C
Meuldijk, J. See Reynhout, X. E. E., 726C; Tillier, D. L., 3600C
Meverden, C. C. See Kissin Y. V., 4351C
Mewis, J. See Das, N. C., 3519P
Mi, F.-L.
—; Shyu, S.-S.; Peng, C.-K.: Characterization of Ring-Opening Polymerization of Genipin and pH-Dependent Cross-Linking Reactions Between Chitosan and Genipin, 1985C
Michel, A. See Lacoste, J.-F., 2207C
Mihai, M. See Dragan, E. S., 4161C
Mijangos, C. See Hernández, R., 1944P
Mikenas, T. B.
—; Zakharov, V. A.; Echevskaya, L. G.; Matsko, M. A.: Ethylene Polymerization over Supported Catalysts [2,6-Bis(imino)pyridyl Iron Dichloride/Magnesium Dichloride] with AlR_3 as an Activator, 2128C
Mikroyannidis, J. A.
—; Hlídková, H.; Vıprachtickı, D.; Cimrová, V.: Synthesis, Photophysics, Structure-Tunable Photoluminescence, and Electrochemical Properties of Soluble Poly(*p*-phenylenevinylene)-Based Polymers with Adjacent 1,3,4-Oxadiazoles in the Backbone, 3079C
—; Kazantzis, A. V.: Enhancement of Color Purity in Blue Light Emitting Poly(fluorene)s and Poly(*p*-phenylene)s with 2,6-Distyrylpyridine Kinked Segments along the Backbone, 4486C
Milano, G.
—; Goudeau, S.; Müller-Plathe, F.: Multicentered Gaussian-Based Potentials for Coarse-Grained Polymer Simulations: Linking Atomistic and Mesoscopic Scales, 871P
Miller, M. D.
—; Holder, A. J.; Guthrie, J. R.; Pinzino, C. S.; Chappelow, C. C.; Eick, J. D.: Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Analysis of the Copolymerization Reaction of an Expanding Monomer with a Diepoxide, 5962C
Milonjić, S. K. See Nastasović, A. B., 2524P
Min, K.
—; Li, M.; Matyjaszewski, K.: Preparation of Gradient Copolymers via ATRP Using a Simultaneous Reverse and Normal Initiation Process. I. Spontaneous Gradient, 3616C
Minagawa, K. See Mori, T., 1007C, 1569C, 4942C
Minegishi, S.
—; Otsuka, T.; Kameyama, A.; Nishikubo, T.: Novel

Photocurable Monomers: The Synthesis of Difunctional Vinyl Ethers with a Phosphonate Group and Difunctional 1-Propenyl Ethers with a Phosphonate Group and Their Photoinitiated Cationic Polymerization, 3105C
Minghua, L. See Jianying, H., 5246C
Mirabella, F. M. See Kissin Y. V., 4351C
Miranda, L. N.
—; Ford, W. T.: Binary Copolymer Reactivity of *tert*-Butyl Methacrylate, 2-(*N,N*-dimethylamino)ethyl Methacrylate, Solketal Methacrylate, and 2-Bromoethyl Methacrylate, 4666C
Mishima, T. See Yin, Y., 1545C
Mishra, S.
—; Sonawane, S. H.; Singh, R. P.: Studies on Characterization of nano $CaCO_3$ Prepared by the *in situ* Deposition Technique and Its Application in PP-nano $CaCO_3$ Composites, 107P
Mishra, S. P.
—; Krishnamoorthy, K.; Sahoo, R.; Kumar, A.: Synthesis and Characterization of Monosubstituted and Disubstituted Poly(3,4-propylenedioxythiophene) Derivatives with High Electrochromic Contrast in the Visible Region, 419C
Mit-Uppatham, C. See Supaphol, P., 3699P
Mitsuda, Y.
—; Uno, T.; Kubo, M.; Itoh, T.: Spontaneous Reactions of Electron-Accepting Substituted Quinodimethane with Substituted Styrenes: Inductive and Steric Effects on the Formation of a Zwitterionic Intermediate, 5195C
Mitsuo, K. See Obata, M., 2997C
Mittal, A.
—; Sivaram, S.: A Novel Tridentate Nitrogen Donor as Ligand in Copper Catalyzed ATRP of Methyl Methacrylate, 4996C
Miura, Y.
—; Dote, H.: Syntheses of 12-Arm Star Polymers and Star Diblock Copolymers by Nitroxide-Mediated Radical Polymerization Using Dendritic Dodecafunctional Macroinitiators, 3689C
—; Miyake, K.: Synthesis of Poly(dimethylsiloxane)-Containing Diblock and Triblock Copolymers by the Combination of Anionic Ring-Opening Polymerization of Hexamethylcyclotrisiloxane and Nitroxide-Mediated Radical Polymerization of Methyl Acrylate, Isoprene, and Styrene, 6153C
—; Narumi, A.; Matsuya, S.; Satoh, T.; Duan, Q.; Kaga, H.; Kakuchi, T.: Synthesis of Well-Defined AB_{20}-Type Star Polymers with Cyclodextrin–Core by Combination of NMP and ATRP, 4271C
—; See Narumi, A., 4373C
Miyagawa, T. See Ochiai, B., 584C
Miyake, K. See Miura, Y., 6153C
Miyamoto, Y. See Nomura, K., 6166C
Miyasaka, A. See Huang, K., 2836C
Miyatake, K.
—; Zhou, H.; Watanabe, M.: Synthesis and Properties of Novel Sulfonated Poly(phenylene ether), 1741C
—; See Yasuda, T., 4439C
Miyazaki, Y. See Matsuda, Y., 2937P
Mizokuro, T. See Mochizuki, H., 2307P
Mo, Z. See Ren, M., 553P, 3231P; Song, J., 2326P, 3222P
Mochizuki, H.
—; Mizokuro, T.; Tanigaki, N.; Ueno, I.; Hiraga, T.: Crystallization Behavior of Bisphenol A Polycarbonate with a Simple Vacuum Process, 2307P
Mohammed, M. See Nele, M., 1797C
Mohan, D. See Mhesh, K. P. O., 2380P
Moldenaers, P. See Das, N. C., 3519P
Monnet, C. See Lacoste, J.-F., 2207C
Monteiro, M. J.
—; Design Strategies for Controlling the Molecular Weight and Rate Using Reversible Addition–Fragmentation Chain Transfer Mediated Living Radical Polymerization, 3189C
—; Modeling the Molecular Weight Distribution of Block Copolymer Formation in a Reversible Addition–Fragmentation Chain Transfer Mediated Living Radical Polymerization, 5643C
—; See Goh, Y.-K., 5232C
Montiel, R. See Cardoso, J., 1152P
Montornés, J. M.
—; Reina, J. A.; Ronda, J. C.: Studies on the Modification of Poly(ω-bromoalkyl-1-glycidylether)s with 4′-Methoxybiphenyl-4-oxy Mesogenic Groups, 5998C
Moon, S. See Xiang, H., 3377P
Moran, I. W. See Asandei, A. D., 6028C, 6039C
Moratti, S. C. See Kimani, S. M., 1588C
More, N. M. See Sengwa, R. J., 1134P
Morgan, J. R.
—; Cloninger, M. J.: Synthesis of Carbohydrate-Linked Poly(polyoxometalate) Poly(amido)amine Dendrimers, 3059C
Mori, T.
—; Hamada, M.; Kobayashi, T.; Okamura, H.; Minagawa, K.; Masuda, S.; Tanaka, M.: Effect of Alkyl Substituents Structures and Added Ions on the Phase Transition of Polymers and Gels Prepared from Methyl 2-alkylamidoacrylates, 4942C
—; Shiota, Y.; Minagawa, K.; Tanaka, M.: Alternative Approach to the Design of Thermosensitive Polymers: The Addition of Hydrophobic Groups to the Ends of Hydrophilic Polyether, 1007C
—; Watanabe, T.; Minagawa, K.; Tanaka, M.: Self-Assembly of Oligo(*p*-phenylenevinylene)-*block*-Poly(ethylene oxide) in Polar Media and Solubilization of an Oligo(*p*-phenylenevinylene) Homooligomer inside the Assembly, 1569C
Morihara, Y.
—; Ogata, S.-I.; Kamitakahara, M.; Ohtsuki, C. ; Tanihara, M.: Thermosensitive Gel

Formation of Novel Polypeptides Containing a Collagen-Derived Pro-Hyp-Gly Sequence and an Elastin-Derived Val-Pro-Gly-Val-Gly Sequence, 6048C
Morimoto, H. See Kubo, M., 5032C; Nomura, K., 6166C
Morita, H. See Yamamoto, S.-I., 2075C
Morita, M. See Watabe, Y., 2048C
Moriya, O. See Yamamoto, S.-I., 2075C, 4578C
Morjan, I. See Chipara, M., 3432P
Mornet, S. See Flesch, C., 3221C
Motokucho, S.
—; Itagaki, Y.; Sudo, A.; Endo, T.: Synthesis of a Novel Cyclic 5-Membered Dithiocarbonate (DTC) Having Hydroxy Group and Its Application to Terminal Functionalization of Polyurethane, 3711C
Mountz, D. A.
—; Storey, R. F.; Mauritz, K. A.: Fourier Transform Infrared/Attenuated Total Reflectance Analysis of Water Diffusion in Poly[styrene-*b*-isobutylene-*b*-styrene] Block Copolymer Membranes, 764P
Mourmouris, S.
—; Kostakis, K.; Pitsikalis, M.; Hadjichristidis, N.: Polymerization of *n*-Hexyl Isocyanate with $CpTiCl_2(OR)$ (R = Functional Group or Macromolecular Chain): A Route to ω-Functionalized and Block Copolymers and Terpolymers of *n*-Hexyl Isocyanate, 6503C
—; See Kostakis, K., 3305C, 3337C
Mülhaupt, R. See Weiser, M.-S., 3804C
Müller, A. H. E. See Zhang, M., 3461C
Müller, M.
—; Smith, G. D.: Phase Separation in Binary Mixtures Containing Polymers: A Quantitative Comparison of Single-Chain-in-Mean-Field Simulations and Computer Simulations of the Corresponding Multichain Systems, 934P
—; See Edwards, E. W., 3444P
Mûller-Pathe, F. See Milano, G., 871P
Mun, G. A. See Dubolazov, A. V., 2737P
Munari, A. See Finelli, L., 2677P; Vannini, L., 1441P
Muñoz, M. See Rentería, M., 2495C
Muñoz-Bonilla, A.
—; Cerrada, M. L.; Fernández-García, M.: Synthesis of Triblock Copolymers Based on Two Isomer Acrylate Monomers by Atom Transfer Radical Polymerization, 4828C
—; Madruga, E. L.; Fernández-García, M.: Atom Transfer Radical Polymerization of Cyclohexyl Methacrylate at a Low Temperature, 71C
Muñoz-Escalona, A. See Aguilar, M., 2963P; Martínez, S., 711C
Muñoz-Guerra, S. See Gómez, F., 92C; Zamora, F., 4570C, 6394C
Murai, H. See Kura, H., 1684P
Murakami, S. See Habaue, S., 1635C, 5872C
Muraoka, R. See Habaue, S., 1635C
Murase, H. See Ohta, Y., 2639P
Muroya, Y. See Wach, R. A., 505C
Musale, D. A. See Phadke, M. A., 2061P, 2074P
Müser, M. H. See Fraser, B., 970P
Mustata, F. See Bicu, I., 6308C
Muthukumar, M.:
—; Viewpoint: What a Wonderful Crossroad!, 3375P

Naga, N.
—; Copolymerization of Ethylene with Cycloolefins or Cyclodiolefins by a Constrained-Geometry Catalyst, 1285C
—; Toyota, A.; Ogino, K.: Copolymerization of Ethylene and *N*-(Vinylphenyl)carbazole with Titanium and Zirconium Catalysts, 911C
Nagahara, T. See Kato, T., 3591P
Nagai, A.
—; Ochiai, B.; Endo, T.: Observation of Optical Activity in Polythiourethane Obtained by the Controlled Cationic Ring-Opening Polymerization of Chiral Cyclic Thiourethane Derived from Serine, 1554C
Nagai, D. See Ochiai, B., 584C, 1014C; Suzuki, A., 5498C
Nagai, T. See Ono, Y., 4412C
Nagasawa, T. See Ochiai, B., 5899C
Nagata, M.
—; Sato, Y.: Synthesis and Properties of Photocurable Biodegradable Multiblock Copolymers Based on Poly(ϵ-caprolactone) and Poly(L-lactide) Segments, 2426C
Nagura, M. See Uddin, A. J., 1640P; Yamaguchi, T., 1090P
Nagy, A. See Wollyung, K. M., 946C
Nairn, J. See Borodin, O., 1005P
Naka, K.
—; Inagi, S.; Chujo, Y.: Synthesis of Soluble Electron-Donating Polymers Containing Vinylogous TTF by Oxidative Dimerization of 1,4-Bisdithiafulvenyl-2,5-dialkoxybenzene, 4600C
—; See Gelover-Santiago, A., 6592C
Naka, Y.
—; Nemoto, N.; Song, Y.: Deformation and Molecular Orientation in Films of Metallocene Polypropylene, Ethylene–Butylene Rubber, and their 80/20 (w/w) Blend Revealed by the Simultaneous Kinetic Measurement of Microscopic Infrared Dichroism, Macroscopic Stress, and Mesoscale Strain, 1520P
Nakagawa, O. See Nakano, T., 1150C
Nakanishi, E. See Inomata, K., 79P
Nakano, T.
—; Nakagawa, O.; Tanaka, M.; Yade, T.; Tsuji, M.: Synthesis of Fluorenylpotassium Species with Potassium *t*-butoxide (*t*-BuOK) and Its Use for Anionic Polymerization, 1150C
Nakao, S.-i. See Kai, T., 2068C
Nakashima, S. See Sato, M., 1511C
Nakatsubo, F. See Ifuku, S., 5023C
Nakayama, J.-I. See Ochiai, B., 5899C
Nakayama, Y.
—; Matsuda, T.: Photocycloaddition-Induced Preparation of Nanostructured, Cyclic

Polymers Using Biscinnamated or Biscoumarinated Oligo(ethylene glycol)s, 3324C
—; Sogo, K.; Yasuda, H.; Shiono, T.: Unique Catalytic Behavior of Chromium Complexes Having Halogenated Bis(imino)pyridine Ligands for Ethylene Polymerization, 3368C
—; See Shirahama, H., 438C
Nakazato, A.
—; Saeed, I.; Katsumata, T.; Shiotsuki, M.; Masuda, T.; Zednik, J.; Vohlidal, J.: Polymerization of Subsitituted Acetylenes by Various Rhodium Catalysts: Comparison of Catalyst Activity and Effect of Additives, 4530C
Nam, J. D. See Lee, D. H., 59P
Namazi, H.
—; Adeli, M.: Solution Proprieties of Dendritic Triazine/Poly(ethylene glycol)/Dendritic Triazine Block Copolymers, 28C
Nanasawa, M. See Yasuda, T., 4439C
Narasimhan, B. See Kipper, M. J., 463P
Narkis, M. See Artzi, N., 1931P
Narumi, A.
—; Yamane, S.; Miura, Y.; Kaga, H.; Satoh, T.; Kakuchi, T.: Star-Shaped Polystyrenes with Glycoconjugated Periphery and Interior: Synthesis and Entrapment of Hydrophilic Molecule, 4373C
—; See Miura, Y., 4271C
Nastasović, A. B.
—; Onjia, A. E.; Milonjić, S. K.; Jovanović, S. M.: Determination of Thermodynamic Properties of Macroporous Glycidyl Methacrylate-Based Copolymers by Inverse Gas Chromatography, 2524P
Nawaz, M. See Baloch, M. K., 534P
Nayak, B. R.
—; Mathias, L. J.: A Novel Photoinimer for the Polymerization of Acrylates and Methacrylates, 5661C
Nazábal, J. See González, I., 3611P
Nealey, P. F. See Edwards, E. W., 3444P
Nedkov, E. See Grozdanov, A., 66P
Nehring, R. See Lutz, J.-F., 4805C
Nele, M.
—; Pinto, J. C.; Mohammed, M.; Collins, S.: Investigation of the Microstructure of Polypropylene Prepared with *Ansa* and Fluxional Metallocene Catalysts with an Extended Coleman–Fox Model, 1797C
Nemoto, N. See Naka, Y., 1520P; Song, Y., 1161P
Néouze, M.-A. See Guiot, J., 917C
Néry, L.
—; Lefebvre, H.; Fradet, A.: Polyamide-Polyester Multiblock Copolymers by Chain-Coupling Reactions of Carboxy-Terminated Polymers with Phenylene and Pyridylene Bisoxazolines, 1331C
Neyertz, S. See Bas, C., 2413P
Ng, D. K. P. See Lee, P. P. S., 837C
Ngai, T. See Lee, P. P. S., 837C
Nguyen, M. N.
—; Bressy, C.; Margaillan, A.: Controlled Radical Polymerization of a Trialkylsilyl Methacrylate by Reversible Addition–Fragmentation Chain Transfer Polymerization, 5680C
Nho, Y. C. See Lee, S. M., 3019P
Ni, P. See Zhang, F., 2931C
Niaounakis, M.
—; Kontou, E.: Effect of LDPE on the Thermomechanical Properties of LLDPE-Based Films, 1712P
Nichifor, M. See Ghimici, L., 3584P
Nicolais, L. See Di, Y., 689P
Nicolini, A. See Galland, G. B., 4744C
Nie, G. See Xu, J., 1444C
Nie, K.
—; Zheng, S.; Lu, F.; Zhu, Q.: Inorganic–Organic Hybrids Involving Poly(ε-caprolactone) and Silica Network: Hydrogen-Bonding Interactions and Isothermal Crystallization Kinetics, 2594P
Niimi, L.
—; Hiraoka, S.; Yokozawa, T.: Simultaneous Construction of Polymer Backbone and Side Chains by Three-Component Polycondensation Synthesis of Polyethers with Propargyl Side Chains from Dialdehydes, Alkylene Bis(trimethylsilyl) Ethers, and Allenyltrimethylsilane, 5440C
Nikles, D. E. See Rajan, G. S., 1475P
Nikogeorgos, N. See Kostakis, K., 3305C
Nilsson, C. See Vestberg, R., 1177C
Nishide, H. See Liang, F., 5765C
Nishijima, S. See Yamanaka, A., 1495P, 2754P
Nishikubo, T.
—; Kudo, H.; Yoshihara, M.; Maruyama, K.: Novel Thermal Curing Reaction of Oxetane Resins with Polyfunctional Phenols, 2028C
—; See Maruyama, K., 4642C; Minegishi, S., 3105C; Ono, Y., 4412C
Nithitanakul, M. See Supaphol, P., 3699P
Nitta, K.-H. See Tokumitsu, K., 2259P
Niu, Y. See Zhao, X., 1421P
Noh, S. K. See Lyoo, W. S., 789C
Noid, D. W. See Barnes, M. D., 1571P
Nomura, K.
—; Miyamoto, Y.; Morimoto, H.; Geerts, Y.: Acyclic Diene Metathesis Polymerization of 2,5-Dialkyl-1,4-divinylbenzene with Molybdenum or Ruthenium Catalysts: Factors Affecting the Precise Synthesis of Defect-Free, High-Molecular-Weight *trans*-Poly(*p*-phenylene vinylene)s, 6166C
Nomura, N. See Goto, H., 4298C
Norisuye, T. See Inoue, K., 2898P
Noro, A. See Takano, A., 2427P
Nose, T. See Iizuka, K., 2474P; Inomata, K., 79P
Novickis, R. W. See Do Nascimento, G. M., 815C
Novo, N. See Jones, J. A., 6095C
Nugay, N.
—; Erdodi, G.; Kennedy, J. P.: Cyclosiloxane-Based Networks: Synthesis,

Thermal Characterization, and Microstructure, 630C
Nugay, T. See Catak, S., 455C
Numasawa, N. See Iizuka, K., 2474P
Nunes, R. C. R.
—; López-González, M.; Riande, E.: Basic Studies on Gas Solubility in Natural Rubber-Cellulose Composites, 2131P
Nunes, S. P. See de A. Prado, Luis, A. S., 2981P
Nunes, T. G. See Dencheva, N., 3720P
Nunzu, J.-M. See Aldea, G., 5814C
Nurkeeva, Z. S. See Dubolazov, A. V., 2737P
Nuyken, O. See Mayershofer, M. G., 5723C
Nyström, A.
—; Hult, A.: Dendronized Polymers with Tailored Surface Groups, 3852C
Nyström, A. M.
—; Furó, I.; Malmström, E.; Hult, A.: Bulk Properties of Dendronized Polymers with Tailored End-Groups Emanating from the Same Backbone, 4496C

Obata, M.
—; Tanaka, Y.; Araki, N.; Hirohara, S.; Yano, S.; Mitsuo, K.; Asai, K.; Harada, M.; Kakuchi, T.; Ohtsuki, C.: Synthesis of Poly (isobutyl-*co*-2,2,2-trifluoroethyl methacrylate) with 5, 10,15,20-Tetraphenylporphinato Platinum (II) Moiety as an Oxygen-Sensing Dye for Pressure-Sensitive Paint, 2997C
Ochi, M.
—; Matsumura, T.: Thermomechanical Properties and Phaase Structure of Epoxy/Silica Nano-Hybrid Materirals Constructed from a Linear Silicone Oligomer, 1631P
—; See Harada, M., 1296P; Kato, T., 3591P
Ochiai, B.
—; Endo, T.: Synthesis of Novel Core-Crosslinked Graft Copolymers from Crosslinked Poly(mercapto-thiourethane), 5097C
—; Inoue, S.; Endo, T.: One-Pot Non-Isocyanate Synthesis of Polyurethanes from Bisepoxide, Carbon Dioxide, and Diamine, 6613C
—; Inoue, S.; Endo, T.: Salt Effect on Polyaddition of Bifunctional Cyclic Carbonate and Diamine, 6282C
—; Matsuki, M.; Nagai, D.; Miyagawa, T.; Endo, T.: Radical Polymerization Behavior of a Vinyl Monomer Bearing Five-Membered Cyclic Carbonate Structure and Reactions of the Obtained Polymers with Amines, 584C
—; Nakayama, J.-I.; Mashiko, M.; Kaneko, Y.; Nagasawa, T.; Endo, T.: Synthesis and Crosslinking Reaction of Poly(hydroxyurethane) Bearing a Secondary Amine Structure in the Main Chain, 5899C
—; Yoshii, K.; Nagai, D.; Endo, T.: Cationic Polymerization of Seven-Membered Cyclic Monothiocarbonate 1,3-Dioxepan-2-thione, 1014C
—; See Nagai, A., 1554C; Suzuki, A., 5498C; Zhang, C., 2643C
Ochoa, J. R. See Rentería, M., 2495C
O'Connell, R.
—; Hanson, H.; Phillies, G. D. J.: Neutral Polymer Slow Mode and Its Rheological Correlate, 323P
Ogata, S.-I. See Morihara, Y., 6048C
Ogino, K. See Naga, N., 911C
Ogoshi, T.
—; Chujo, Y.: Synthesis of Poly (vinylidene fluoride) (PVdF)/Silica Hybrids Having Interpenetrating Polymer Network Structure by Using Crystallization between PVdF Chains, 3543C
—; See Kim, K.-M., 473C
Oh, J. K.
—; Deleebeeck, L.; Winnik, M. A.; Rademacher, J.; Farwaha, R.: Synthesis of an Alkali-Swellable Emulsion and Its Effect on the Rate of Polymer Diffusion in Poly(vinyl acetate-butyl acrylate) Latex Films, 5632C
—; See Wu, J., 5581C
Ohashi, F. See Yoshimoto, S., 2705P
Ohkoshi, Y. See Uddin, A. J., 1640P; Yamaguchi, T., 1090P
Ohno, T. See Kura, H., 1684P
Ohta, Y.
—; Murase, H.; Hashimoto, T.: Effects of Spinning Conditions on the Mechanical Properties of Ultrahigh-Molecular-Weight Polyethylene Fibers, 2639P
Ohtake, M. See Teraguchi, M., 2348C
Ohtsuka, H. See Sugimoto, H., 4172C
Ohtsuki, C. See Morihara, Y., 6048C; Obata, M., 2997C
Ohwa, M. See Kura, H., 1684P
Ohya, M. See Harada, M., 1214P, 1486P
Oishi, Y. See Matsuda, Y., 1401P
Ojha, U. P.
—; Ramesh, C.; Kumar, A.: Design, Syntheses, and Characterization of New Thermoplastic Polyureas Based on 3,4-Ethylenedioxythiophene, 5823C
Oka, H. See Kura, H., 1684P
Okabe, N. See Suzuki, A., 1696P
Okabe, S.
—; Hanabusa, K.; Shibayama, M.: Gelation Mechanism and Microstructure of Organogels Formed with Various Types of Gelators, 3567P
Okada, M. See Yokoe, M., 3909C
Okamoto, K.-I. See Yin, Y., 1545C
Okamoto, S. See Mhesh, K. P. O., 2380P
Okamura, H. See Mori, T., 4942C
Okrasa, L. See Denizli, B. K., 3440C
Okuyama, K See Baigude, H., 2195C
Olayo, R. See Arcos-Casarrubias, J. A., 178C
Olea-Azar, C. See Marambio, O. G., 4933C
Oliveira, M. J. See Dencheva, N., 3720P
Olley, R. H. See Parker, J. A., 1986P
Olson, B. G. See Consolati, G., 2225P
Omura, N. See Ihara, E., 4405C
O'Neill, A. See Silva, C. M., 2448C
Onjia, A. E. See Nastasović, A. B., 2524P
Onmori, R. K. See Bianchi, R. F., 74P

Ono, Y.
—; Kawashima, N.; Kudo, H.; Nishikubo, T.; Nagai, T.: Synthesis of New Photoresponsive Polyesters Containing Norbornadiene Moieties by the Ring-Opening Copolymerization of Donor–Acceptor Norbornadiene Dicarboxylic Acid Anhydride with Donor–Acceptor Norbornadiene Dicarboxylic Acid Monoglycidyl Ester Derivatives, 4412C
—; See Han, L.-B., 5328C
Oohazama, T. See Kimura, K., 1624C; Yamanaka, A., 2754P
Oriol, L. See Tejedor, R. M., 4907C
Osada, Y. See Kaneko, D., 562P
Osotchan, T. See Wutticharoenmongkol, P., 1881P
Osypiuk, J. See Maciejewska, M., 3049C
Otazaghine, B.
—; Boyer, C.; Robin, J.-J.; Boutevin, B.: Synthesis of Telechelic Oligomers by Atom Transfer Radical Polymerization: A Study of Acrylate Monomers, 2377C
—; See Boyer, C., 4303C
Otsuka, I.
—; Sakai, R.; Satoh, T.; Kakuchi, R.; Kaga, H,; Kakuchi, T.: Metal-Cation-Induced Chiroptical Switching for Poly(phenylacetylene) Bearing a Macromolecular Ionophore as a Graft Chain, 5855C
Otsuka, T. See Minegishi, S., 3105C
Ou, Y. See Xie, T., 3213P
Ouyang, C. See Yu, Y., 6105C
Owsik, I. See Bergbreiter, D. E., 4654C
Oxman, J. D.
—; Jacobs, D. W.; Trom, M. C.; Sipani, V.; Ficek, B.; Scranton, A. B.: Evaluation of Initiator Systems for Controlled and Sequentially Curable Free-Radical/Cationic Hybrid Photopolymerizations, 1747C
Ozisik, R. See Shenogin, S., 994P

Paavola, S. See Ristolainen, N., 1892P
Paduraru, C. See Albertsson, A.-C., 5889C
Pagnucco, C. D. See Jones, J. A., 6095C
Pakkanen, T. A. See Puukilainen, E., 2252P
Pakula, T. See Denizli, B. K., 3440C
Pal, U. See Velumani, S., 3058P
Pan, C. See Yu, X., 1526C
Pan, C.-Y. See Hong, C.-Y., 6379C; Wang, D., 5127C
Pan, D. See Chen, J., 1562C
Pan, F.-L. See Chang, C.-J., 3337P
Pan, L. See Chen, J., 1562C; Tang, L.-M., 1681C, 6323C
Pan, N. See Chipara, M., 3406P
Pan, Q.-W. See Gao, L.-C., 5935C
Pan, Y. See Wang, Y.-J., 743P
Pandey, R. B.
—; Anderson, K. L.; Farmer, B. L.: Effect of Temperature and Solvent on the Structure and Transport of a Tethered Membrane: Monte Carlo Simulation, 3478P
—; Anderson, K. L.; Heinz, H.; Farmer, B. L.: Conformation and Dynamics of a Self-Avoiding Sheet: Bond-Fluctuation Computer Simulation, 1041P
Pang, S. See Li, G., 4012C
Pang, X.
—; Du, H.; Chen, X.; Zhuang, X.; Cui, D.; Jing, X.: Aluminum Schiff Base Catalysts Derived from β-Diketone form the Stereoselective Polymerization of Racemic Lactides, 6605C
Pang, Y. See Liao, L., 280C
Papanagopoulos, D.
—; New Way of Presenting the Universal Calibration of Gel Permeation Chromatography To Include Macromolecules with Very High Segment Density, 2388P
Parent, J. S.
—; Liskova, A.; Whitney, R. A.; Resendes, R.: Ion–Dipole Interaction Effects in Isobutylene-based Ammonium Bromide Ionomers, 5671C
—; See Sengupta, S. S., 4882C
París, R.
—; De La Fuente, J. L.: Bulk Atom Transfer Radical Polymerization of Allyl Methacrylate, 2395C
—; De La Fuente, J. L.: Solvent Effect on the Atom Transfer Radical Polymerization of Allyl Methacrylate, 6247C
París-Escribano, R. See Cuervo-Rodríguez, R., 4187C
Park, C. See McLachlan, D. S., 3273P
Park, H. B. See Kim, D. S., 5620C
Park, M. See Hopkins, T. E., 1895C
Park, M. K. See Jung, M.-S., 5520C
Park, T. See Elkins, C. L., 4618C
Park, Y. See Tung, N. T., 742C
Parker, J. A.
—; Olley, R. H.: Intramolecular Branching Distributions in Metallocene Short-Chain Branched Polyethylenes Examined by Crystallization and Annealing at High Pressure, 1986P
Pasch, H. See Biela, T., 6116C
Pastor, J. M. See Tomba, J. P., 3083P
Pastusiak, M. See Dobrzynski, P., 1913C
Patel, J. N. See Patel, M. V., 157C
Patel, M. V.
—; Patel, J. N.; Ray, A.; Patel, R. M.: Synthesis, Characterization, Thermal Properties, and Antimicrobial Activity of 4-Chloro-3-methyl Phenyl Methacrylate/8-Quinolinyl Methacrylate Copolymers, 157C
Patel, R. M. See Patel, M. V., 157C
Patra, B. N.
—; Bhattacharjee, M.: Early Transition Metal Catalyzed Aqueous Emulsion Copolymerization: Copolymerization of Styrene and Methyl Methacrylate by Cp_2TiCl_2 in Aqueous Medium, 3707C
—; Bhattacharjee, M.: Synthesis of High Molecular Weight Polystyrene and Poly(Methyl Methacrylate) with Low Polydispersity by $[Cp_2ZrCl_2]$ Catalyzed Aqueous Polymerization, 3797C
Patten, T. E. See Gravano, S. M., 3675C
Patterson, G. D. See Savin, D. A., 1504P
Paulus, R. M. See Fijten, M. W. M., 3831C; Hoogenboom, R., 1487C

Paz-Pazos, M.
—; Pugh C.: Synthesis, Isolation, and Thermal Behavior of Polybutadiene Grafted with Poly(2,3,4,5,6-pentafluorostyrene), 2874C
Pekel, N. See Dubolazov, A. V., 2737P
Pelton, R. See Chen, X., 2598C
Penczek, S.
—; Pretula, J.; Kaluzynski, K.: Synthesis of a Triblock Copolymer: Poly(ethylene glycol)-Poly(alkylene phosphate)-Poly(ethylene glycol) as a Modifier of $CaCO_3$ Crystallization, 650C
Peng, C.-K. See Mi, F.-L., 1985C
Peng, H. See Li, G., 4012C
Peng, J. See Du, N., 397C
Peng, Q. See Xu J., 2892C
Penlidis, A. See Leamen, M. J., 3868C
Pennings, A. J. See Heijkants, R. G. J. C., 716P
Peral, I. See Sakai, V. G., 2914P
Percec, V.
—; Grigoras, C.: Arenesulfonyl Iodides: The Third Universal Class of Functional Initiators for the Metal-Catalyzed Living Radical Polymerization of Methacrylates and Styrenes, 3920C
—; Grigoras, C.; Bera, T. K.; Barboiu, B.; Bissel, P.: Acclerated Iterative Strategy for the Divergent Synthesis of Dendritic Macromolecules Using a Combination of Living Radical Polymerization and an Irreversible Terminator Multifunctional Initiator, 4894C
—; Grigoras, C.: Catalytic Effect of Ionic Liquids in the Cu_2O/2,2′-bipyridine Catalyzed Living Radical Polymerization of Methyl Methacrylate Initiated with Arenesulfonyl Chlorides, 5609C
—; Grigoras, C.: *N*-Chloro Amides, Lactams, Carbamates, and Imides. New Classes of Initiators for the Metal-Catalyzed Living Radical Polymerization of Methacrylates, 5283C
—; Guliashvili, T.; Popov, A. V.; Ramirez-Castillo, E.: Catalytic Effect of Dimethyl Sulfoxide in the Cu(0)/Tris(2-dimethylaminoethyl)amine-Catalytic Living Radical Polymerization of Methyl Methacrylate at 0–90 °C Initiated with CH_3CHCII as a Model Compound for α,ω-Di(iodo)poly(vinyl chloride) Chain Ends, 1935C
—; Guliashvili, T.; Popov, A. V.; Ramirez-Castillo, E.; Coelho, J. F. J.; Hinojosa-Falcon, L. A.: Accelerated Synthesis of Poly(methyl methacrylate)-*b*-Poly(vinyl chloride)-*b*-Poly(methyl methacrylate) Block Copolymers by the CuCl/Tris(2-dimethylaminoethyl)amine-Catalyzed Living Radical Block Copolymerization of Methyl Methacrylate Initiated with α,ω-Di(iodo)poly(vinyl chloride) in Dimethyl Sulfoxide at 90 °C, 1649C
—; Guliashvili, T.; Popov, A. V.; Ramirez-Castillo, E.; Hinojosa-Falcon, L. A.: Ultrafast Synthesis of Poly(methyl methacrylate)-*b*-Poly(vinyl chloride)-*b*-Poly(methyl methacrylate) Block Copolymers by the Cu(0)/Tris(2-dimethylaminoethyl)amine-Catalyzed Living Radical Block Copolymerization of Methyl Methacrylate Initiated with α,ω-Di(iodo)poly(vinyl chloride) in the Presence of Dimethyl Sulfoxide at 25 °C, 1660C
—; Guliashvili, T.; Popov, A. V.; Ramirez-Castillo, E.: Synthesis of Poly(methyl methacrylate)-*b*-Poly(vinyl chloride)-*b*-Poly(meethyl methacrylate) Block Copolymers by CuCl/2,2′-Bipyridine-Catalyzed Living Radical Block Copolymerization Initiated from α,ω-Di(iodo)poly(vinyl chloride) Prepared by Single-Electron-Transfer/Degenerative-Chain-Transfer Mediated Living Radical Polymerization, 1478C
—; Guliashvili, T.; Popov, A. V.: Ultrafast Synthesis of Poly(methyl acrylate) and Poly(methyl acrylate)-*b*-Poly(vinyl chloride)-*b*-Poly(methyl acrylate) by the Cu(0)/Tris(2-dimethylaminoetrhyl)amine-Catalyzed Living Radical Polymerization and Block Copolymerization of Methyl Acrylate Initiated with 1,1-Chloroiodoethane and α,ω-Di(iodo)poly(vinyl chloride) in Dimethyl Sulfoxide, 1948C
—; Popov, A. V.: Functionalization of the Active Chain Ends of Poly(vinyl chloride) Obtained by Single-Electron-Transfer/Degenerative-Chain-Transfer Mediated Living Radical Polymerization: Synthesis of Telechelic α,ω-Di(hydroxy)poly(vinyl chloride), 1255C
—; Popov, A. V.; Ramirez-Castillo, E.; Coelho, J. F. J.; Hinojosa-Falcon, L. A.: Phase Transfer Catalyzed Single Electron Transfer-Degenerative Chain Transfer Mediated Living Radical Polymerization (PTC-SET–DTLRP) of Vinyl Chloride Catalyzed by Sodium Dithionite and Initiated with Iodoform in Water at 43 °C, 779C
—; Popov, A. V.; Ramirez-Castillo, E.; Coelho, J. F. J.: Single Electron Transfer–Degenerative Chain Transfer Mediated Living Radical Polymerization (SET-DTLRP) of Vinyl Chloride Initiated with Methylene Iodide and Catalyzed by Sodium Dithionite, 773C
—; Popov, A. V.; Ramirez-Castillo, E.; Hinojosa-Falcon, L. A.: Synthesis of Poly(vinyl chloride)-*b*-Poly(2-ethylhexyl acrylate)-*b*-Poly(vinyl chloride) by the Competitive Single-Electron-Transfer/Degenerative-Chain-Transfer Mediated Living Radical Polymerization of Vinyl Chloride Initiated from α,ω-Di(iodo)poly(2-ethylhexyl acrylate) and Catalyzed with Sodium Dithionite in Water, 2276C
—; Popov, A. V.; Ramirez-Castillo, E.: Single-Electron-Transfer/Degenerative-Chain-Transfer Mediated Living Radical Polymerization of

Vinyl Chloride Catalyzed by Thiourea Dioxide/Octyl Viologen in Water/Tetrahydrofuran at 25 °C, 287C
—; Ramirez-Castillo, E.; Hinojosa-Falcon, L. A.; Popov, A. V.: Synthesis of Ultrahigh Molar Mass, Structural Defects Free Poly(Vinyl Chloride) with High Syndiotacticity and Glass Transition Temperature by Single Electron Transfer-Degenerative Chain Transfer Living Radical Polymerization (SET-DTLRP), 2185C
—; Ramirez-Castillo, E.; Popov, A. V.; Hinojosa-Falcon, L. A.; Guliashvili, T.: Ultrafast Single-Electron-Transfer/Degenerative-Chain-Transfer Mediated Living Radical Polymerization of Acrylates Initiated with Iodoform in Water at Room Temperature and Catalyzed by Sodium Dithionite, 2178C
—; See Grigoras, C., 319C
Percha, P. A. See Sevegney, M. S., 439P
Perera, U. See Abayasinghe, N. K., 5257C
Perez, M. See Bianchini, D., 5465C
Perez Ipiña, J. E. See Cocco, R. G., 3674P
Perrier, S.
—; Takolpuckdee, P.: Macromolecular Design via Reversible Addition–Fragmentation Chain Transfer (RAFT)/Xanthates (MADIX) Polymerization, 5347C
—; See Liu, B., 3643C
Perrin-Sarazin, F. See Leelapornpisit, W., 2445P
Pessan, L. A. See Larocca, N. M., 1244P
Petrović, Z. S.
—; Cevallos, M. J.; Javni, I.; Schaefer, D. W.; Justice, R.: Soy-Oil-Based Segmented Polyurethanes, 3178P
Petti, L. See Russo, R., 1205P
Phadke, M. A.
—; Kulkarni, S. S.; Karode, S. K.; Musale, D. A.: Poly(acrylonitrile) Ultrafiltration Membranes. II. Membrane Morphology and Permeation Characteristics, 2074P
—; Musale, D. A.; Kulkarni, S. S.; Karode, S. K.: Poly(acrylonitrile) Ultrafiltration Membranes. I. Polymer-Salt-Solvent Interactions, 2061P
Phillies, G. D. J. See O'Connell, R., 323P
Piau, J.-M.
—; Ravilly, G.; Verdier, C.: Peeling of polydimethylsiloxane Adhesives at Low Velocities: Cohesive Failure, 145P
Pietro, W. J. See Farah, A. A., 6057C
Pilati, F. See Bongiovanni, R., 3588C
Pillai, C. K. S. See Smitha, P., 4455C
Pine, D. See Small, A., 3534P
Pinel, E. See Bas, C., 2413P
Piñol, M. See Tejedor, R. M., 4907C
Pinto, J. C. See Nele, M., 1797C
Pinto, M. R. See Thompson, B. C., 1417C
Pinzino, C. S. See Miller, M. D., 5962C
Pirri, R. See Bouvier-Fontes, L., 4684C
Pissis, P. See Kotsilkova, R., 522P
Pitsikalis, M. See Kostakis, K., 3305C, 3337C; Mourmouris, S., 6503C; Zorba, G., 3533C
Pittman, C. U., Jr. See Liu, B., 3643C, Liang, K., 3887C
Pizarro, G. D. C. See Marambio, O. G., 4933C
Plesu, R. See Fraschini, C., 3308P
Pojman, J. A. See Chen, S., 1670C; Lewis, L. L., 5774C
Pollet, E. See Gain, O., 205P
Ponce, M. L. See de A. Prado, Luis, A. S., 2981P
Popov, A. V. See Percec, V., 287C, 773C, 779C, 1255C, 1478C, 1649C, 1660C, 1935C, 1948C, 2178C, 2185C, 2276C
Porbeni, F. E.
—; Shin, I. D.; Shuai, X.; Wang, X.; White, J. L.; Jia, X.; Tonelli, A. E.: Morphology and Dynamics of the Poly(ϵ-caprolactone)-*b*-Poly(L-lactide) Diblock Copolymer and Its Inclusion Compound with α−Cyclodextrin: A Solid-State ^{13}C NMR Study, 2086P
Portnoy, M. See Dahan, A., 235C
Pospiech, D. See Dudkina, M. M., 2493P; Sangermano, M., 4144C
Powell, E. S. See Chang, Y., 2912C
Prabhakar, A.
—; Chattopadhyay, D. K.; Jagadeesh, B.; Raju, K. V. S. N.: Structural Investigations of Polypropylene glycol (PPG) and Isophorone diisocyanate (IPDI)-based Polyurethane Prepolymer by 1D and 2D NMR Spectroscopy, 1196C
Prajapati, K.
—; Varshney, A.: Free-Radical Polymerization of Styrene with *p*-Nitrobenzyl Triphenyl Phosphonium Ylide as an Initiator, 6524C
Prasanna, K. See Abayasinghe, N. K., 5257C
Prasath, R. A.
—; Ramakrishnan, S.: Synthesis, Characterization, and Utilization of Itaconate-Based Polymerizable Surfactants for the Preparation of Surface-Carboxylated Polystyrene Latexes, 3257C
Prescott, S. W.
—; Ballard, M. J.; Gilbert, R. G.: Average Termination Rate Coefficients in Emulsion Polymerization: Effect of Compartmentalization on Free-Radical Lifetimes, 1076C
Pretula, J. See Penczek, S., 650C
Priola, A. See Bongiovanni, R., 3588C; Sangermano, M., 4144C
Prosenc, M. See Kricheldorf, H. F., 6233C
Prud'Homme, R. E. See Fraschini, C., 3308P
Pu, S. See Xu, J., 1444C; Xu, J., 3986C
Pugh, C. See Paz-Pazos, M., 2874C
Puiggalí, J. See Ramis, X., 1166C
Pulkkinen, P. See Strandman, S., 3349C
Puskas, J. E.
—; Chan, S. W. P.; Mcauley, K. B.; Shaikh, S.; Kaszas, G.: Kinetics and Mechanisms in Carbocationic Polymerization:

The Quest for True Rate Constants, 5394C
—; Kwon, Y.; Antony, P.; Bhowmick, A. K.: Synthesis and Characterization of Novel Dendritic (Arborescent, Hyperbranched) Polyisobutylene–Polystyrene Block Copolymers, 1811C
—; See Cunningham, M. F., 5545C
Puukilainen, E.
—; Pakkanen, T. A.: Modification of Surface Properties of Polyethylene by Perfluoropolyether Blending, 2252P
Pyda, M.
—; Van Durme, K.; Wunderlich, B.; Van Mele, B.: Heat Capacity of Poly(vinyl methyl ether), 2141P

Qian, J. See An, Q., 1973C
Qian, L. See Wei, H., 2941C
Qian, Y. See Zhang, Y., 1261C
Qiang, L. See Jianying, H., 5246C
Qiao, C.
—; Zhao, J.; Jiang, S.; Ji, X.; An, L.; Jiang, B.: Crystalline Morphology Evolution in PCL Thin Films, 1303P
Qiao, W.-Q.
—; Fan, X.-D.; Kong, J.; Xie, Y.-C.; Si, Q.-F.; Wang, S.-J.; Liu, Y.-Y.: Synthesis and Characterization of Side-Chain Liquid-Crystalline Polymers and Study of Their Role in the Crystallization of High-Density Polyethylene, 3067C
Qin, H.
—; Zhang, S.; Zhao, C.; Yang, M.: Zero-Order Kinetics of the Thermal Degradation of Polypropylene/Clay Nanocomposites, 3713P
Qin, J. See Hua, J., 1317C; Huang, B., 4517C; Wang, H., 493C
Qin, X.
—; Yang, X.; Wang, X.; Wang, M.: Synthesis and Characterization of Poly(imide-urethane) Based on Novel Chain-Extender Containing Both Imide and Sulphone Functions, 4469C
Qing, S
—; Huang, W.; Yan, D.: Synthesis and Characterization of Thermally Stable Sulfonated Polybenzimidazoles Obtained from 3,3′-Disulfonyl-4,4′-dicarboxyldiphenylsulfone, 4363C
Qiu, R. See Wei, H., 2941C
Qiu, X.
—; Chen, L.; Hu, J.; Sun, J.; Hong, Z.; Liu, A.; Chen, X.; Jing, X.: Surface-Modified Hydroxyapatite Linked by L-Lactic Acid Oligomer in the Absence of Catalyst, 5177C
Qiu, Z. See Liu, J., 287P
Quasso, F. See Consolati, G., 2225P
Quémener, D.
—; Héroguez, V.; Gnanou, Y.: Synthesis of Acid-Sensitive Latices by Ring-Opening Metathesis Polymerization, 217C
Quijada, R. See Bianchini, D., 5465C
Quintana, R. See Gómez, F., 92C

Rademacher, J. See Oh, J. K., 5632C; Wu, J., 5581C
Radosz, M. See Tang, H., 1432C; Tang, J., 5477C
Rajagopalan, H. See Vippa, P., 3695P
Rajan, G. S.
—; Mauritz, K. A.; Stromeyer, S. L.; Kwee, T.; Mani, P.; Weston, J. L.; Nikles, D. E.; Shamsuzzoha, M.: Poly(styrene–*b*–ethylene/butylene–*b*–styrene)/Cobalt Ferrite Magnetic Nanocomposites, 1475P
Rajan, M.
—; Agarwal, U. S.; Bailly, C.; George, K. E.; Lemstra, P. J.: Diblock and Triblock Copolymers of Styrene and Acetoxymethylstyrene by One-Pot ATRP, 575C
Rajasekharan Pillai, V. N. See Roice, M., 4382C
Raju, K. V. S. N. See Prabhakar, A., 1196C
Ramakrishna, S. See Huang, Z.-M., 2852P; Inai, R., 3205P
Ramakrishnan, S. See Prasath, R. A., 3257C
Ramalekshmi, S. See Jayakannan, M., 1321P
Ramanathan, T.
—; Liu, H.; Brinson, L. C.: Functionalized SWNT/Polymer Nanocomposites for Dramatic Property Improvement, 2269P
Ramesh, C. See Ojha, U. P., 5823C; Ranganathan, T., 1903C
Ramirez, J. C. See Herrera-Ordonez, J., 1963C
Ramirez-Castillo, E. See Percec, V., 287C, 773C, 779C, 1478C, 1649C,1660C, 1935C, 2178C, 2185C, 2276C
Ramis, X.
—; Salla, J. M.; Puiggalí, J.: Kinetic Studies on the Thermal Polymerization of *N*-Chloroacetyl-11-aminoundecanoate Potassium Salt, 1166C
—; See Cervellera, R., 5799C; Fernandez, X., 3421C; Mas, C., 2337C
Ramos, J.
—; Forcada, J.: Polymeric and Colloidal Features of Latex Particles with Surface Amino Groups Obtained by Semicontinuous Seeded Cationic Emulsion Polymerization, 3878C
—; See Martínez, S., 711C
Ramsey, R. A. See Henry, R. M., 1842P
Rane, S. S. See Mattice, W. L., 1260P
Ranganathan, T.
—; Gowd, E. B.; Ramesh, C.; Kumar, A.: Main Chain Thermotropic Liquid Crystalline Polyurethanes Containing Biphenyl Mesogens Based on Novel AB-type Self-Polycondensation Route: FT-IR and XRD Studies, 1903C
Ranucci, E. See Emilitri, E., 1404C
Ravilly, G. See Piau, J.-M., 145P
Ray, A. See Patel, M. V., 157C
Ray, S.
—; Galgali, G.; Lele, A.; Sivaram, S.: *In Situ* Polymerization of Ethylene with Bis(imino)-pyridine Iron(II) Catalysts Supported on Clay: The Synthesis and Characterization of Polyethylene-Clay Nanocomposites, 304C
Reddy, S. K.
—; Sebra, R. P.; Anseth, K. S.; Bowman, C. N.: Living Radical Photopolymerization Induced Grafting on Thiol-Ene Based Substrates, 2134C

Ree, M. See Kim, J.-S., 4079C
Register, R. A. See Lee, L.-B. W., 97P, 413P
Reina, J. A. See Giamberini, M., 2099C; Montornés, J. M., 5998C
Remmes, N. See Chipara, M., 3432P
Ren, D. See Duan, M., 709P
Ren, M.
—; Chen, Q.; Song, J.; Zhang, H.; Sun, X.; Mo, Z.; Zhang, H.; Zhang, X.; Jiang, L.: Crystallization Kinetics and Melting Behavior of Syndiotactic 1,2-Polybutadiene, 553P
—; Song, J.; Song, C.; Zhang, H.; Sun, X.; Chen, Q.; Zhang, H. F.; Mo, Z.: Crystallization Kinetics and Morphology of Poly(butylene succinate-*co*-adipate), 3231P
—; See Song, J., 2326P, 3222P
Ren, S.
—; Fang, Q.; Yu, F.; Bu, D.: Synthesis and Optical and Electrochemical Properties of New π-Conjugated 1,3,5-Triazine-Containing Polymers, 6554C
Rentería, M.
—; Muñoz, M.; Ochoa, J. R.; Cesteros, L. C.; Katime, I.: Acrylamide Inverse Microemulsion Polymerization in a Paraffinic Solvent: Rolling-M-245, 2495C
Resendes, R. See Parent, J. S., 5671C; Smith, C. W., 2280P
Reszka, A. See Bialek, M., 5562C
Reynaers, H. See Joubert, D. J., 3000P
Reynaud, S. See Karaky, K., 5186C
Reynhout, X. E. E.
—; Beckers, M.; Meuldijk, J.; Drinkenburg, B. A. H.: Electrosteric Stability of Styrene/Acrylic Acid Copolymer Latices under Emulsion Polymerization Reaction Conditions, 726C
Reynolds, J. R. See Thompson, B. C., 1417C
Riande, E. See Nunes, R. C. R., 2131P
Ribera, G. See Alcón, M. J., 3510C
Rieger, J. See Men Y., 87P
Rink, M. See Briatico-Vangosa, F., 1904P
Ristolainen, N.
—; Vainio, U.; Paavola, S.; Torkkeli, M.; Serimaa, R.; Seppälä, J.: Polypropylene/Organoclay Nanocomposite, Compatibilized with Hydroxyl-Functional Polypropylenes, 1892P
Rivas, M. See Zamora, F., 4570C
Rivera, O. See Herrera-Ordonez, J., 1963C
Rizzotto, M.
—; Szleifer, I.: Critical Properties of Thin Films of Polymer Solutions, 1849P
Roberts, G. W. See Liu, T., 256C
Robin, J.-J. See Boyer, C., 4303C; Otazaghine, B., 2377C
Rode, K. See Biela, T., 6116C
Rodríguez, J. G. See García-Cañadas, J., 2407C
—; Lafuente, A; Arranz, J.: Synthesis and Polymerization of *(E)*-*p*-[(Methoxyphenyl)-2-ethenyl]phenylacetylene with Ziegler–Natta, Rhodium, and Palladium Complexes, 6438C
—; Lafuente, A.; Martín-Villamil, R.: Reaction of Phenylacetylene with $Ti(OR)_4$–$AlEt_3$ and $V(acac)_3$–$AlEt_3$: Cyclotrimerization *versus* Chain Oligomerization, 1228C
—; Lafuente, A.; Martín-Villamil, R.: Synthesis of Poly (*p*-methoxyphenylacetylene) with the Vanadium Acetylacetonate-Aluminum Triethyl Ziegler–Natta Catalyst System: Cyclotrimers/Polymer Ratio Analysis, 5987C
Rodríguez, M. See Laza, J. M., 1548P
Rodríguez-Pérez, M. A. See Campo-Arnáiz, R. A., 1608P
Roffé, I. See Zamora, F., 4570C
Roice, M.
—; Rajasekharan Pillai, V. N.: Poly(styrene-*co*-glycerol dimethacrylate): Synthesis, Characterization, and Application as a Resin for Gel-Phase Peptide Synthesis, 4382C
Romano, G. See Russo, R., 1205P
Ronda, J. C. See Giamberini, M., 2099C; Lligadas, G., 6295C; Martín, C., 6419C; Montornés, J. M., 5998C
Rong, W.
—; Fan, Z.; Yu, Y.; Bu, H.; Wang, M.: Influence of Entanglements on Glass Transition of Atactic Polystyrene, 2243P
Roof, A. C. See Goodman, C. C., 2657C
Rossetti, S. See Angiolini, L., 5879C
Roupakias, C. P.
—; Bikiaris, D. N.; Karayannidis, G. P.: Synthesis, Thermal Characterization, and Tensile Properties of Alipharomatic Polyesters Derived from 1,3-Propanediol and Terephthalic, Isophthalic, and 2,6-Naphthalenedicraboxylic Acid, 3998C
Rousseau, A. See Andre, S., 2237C
Rozik, N. N. See Mansour, S. H., 3278C
Ruckenstein, E. See Chen, X., 2598C; Hua, F., 1090C, 1119C
Rudé, E. See Gómez, F., 92C
Rueda, J. C.
—; Komber, H.; Voit, B.: Synthesis of New Amphiphilic and Lypophilic Polymer Networks Containing 2-Methyl- and 2-Nonyl-2-oxazoline by the Macroinitiator Method, 122C
Rusa, C. C. See Uyar, T., 2578P
Rusa, M. See Uyar, T., 2578P
Russell, T. P. See Drockenmuller, E., 1028C; Xiang, H., 3377P
Russo, A.
—; Tonelli, C.; Barchiesi, E.: New Developments in the Synthesis and Characterization of Phosphate Esters of Linear (Per)fluoropolyether Monofunctional and Difunctional Macromonomers, 4790C
Russo, R.
—; Malinconico, M.; Petti, L.; Romano, G.: Physical Behavior of Biodegradable Alginate–Poly(vinyl alcohol) Blend Films, 1205P
Russum, J. P.
—; Barbre, N. D.; Jones, C. W.; Schork, F. J.: Miniemulsion Reversible Addition Fragmentation Chain

Transfer Polymerization of Vinyl Acetate, 2188C
Rutledge, G. C. See Ismail, A. E., 897P; Waheed, N., 2468P
Rytter, E. See Bruaseth, I., 2584C
Ryu, D. Y. See Drockenmuller, E., 1028C
Ryu, J.-H.
—; Shin, D.-O.; Suh, K.-D.: Preparation of a Reflective-Type Electrochromic Device Based on Monodisperse, Micrometer-Size-Range Polymeric Microspheres and Viologen Pendants, 6562C

Sachdev, V. K.
—; Jain, R. K.: Equation of State for High Density Solid and Melt Polyethylene, 1618P
Sadahiro, Y. See Huang, K., 2836C
Sadhu, S.
—; Bhowmick, A. K.: Unique Rheological Behavior of Rubber Based Nanocomposites, 1854P
Saeed, I. See Nakazato, A., 4530C
Sahnoun, M.
—; Charreyre, M.-T.; Veron, L.; Delair, T.; D'Agosto, F.: Synthetic and Characterization Aspects of Dimethylaminoethyl Methacrylate Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerization, 3551C
Sahoo, R. See Mishra, S. P., 419C
Saäidi, S.
—; Guittard, F.; Guimon, C.; Géribaldi, S.: Fluorinated Comblike Homopolymers: The Effect of Spacer Lengths on Surface Properties, 3737C
Saikrasun, S.
—; Bualek-Limcharoen, S.; Kohjiya, S.; Urayama, K.: Anisotropic Mechanical Properties of Thermoplastic Elastomers *in situ* Reinforced with Thermotropic Liquid-Crystalline Polymer Fibers Revealed by Biaxial Deformations, 135P
Saini, T. See Brar, A. S., 2810C
Saito, K. See Matsuda, Y., 2937P
Saito, R.
—; Yamaguchi, K.: Synthesis of Cyclic Methacrylic Acid Oligomers by Atom Transfer Radical Polymerization, 6262C
Saitoh, H. See Satoh, M., 600C
Sakaguchi, H. See Serizawa, T., 1062C
Sakaguchi, Y. See Kimura, K., 1624C
Sakai, R. See Otsuka, I., 5855C
Sakai, V. G.
—; Maranas, J. K.; Chowdhuri, Z.; Peral, I.; Copley, J. R. D.: Miscible Blend Dynamics and the Length Scale of Local Compositions, 2914P
Sakane, Y. See Inomata, K., 79P
Sakayori, K.
—; Shibasaki, Y.; Ueda, M.: Synthesis of a Novel High Sensitive Photo-Radical Initiator with Good Thermal Stability Based on Naphthalic-1, 8-*N*-Alkylimide Derivatives, 5571C
Sakurai, K. See Sasaki, T., 115P; Wu, Y., 1354P
Salatelli, E. See Angiolini, L., 3091C, 5879C
Salla, J. M. See Cervellera, R., 5799C; Fernandez, X., 3421C; Mas, C., 2337C; Ramis, X., 1166C
Salman, S.
—; Albayrak, A. Z.; Avci, D.; Aviyente, V.: Synthesis and Modeling of New Phosphorus-Containing Acrylates, 2574C
Salvatici, P. See Cappelli, A., 3289C
Samal, S. See Shin Y.-D., 607C
Samuelson, A. G. See Ahuja, R., 3411C
Sánchez, F. See Laredo, E., 1408P
Sánchez, M. S. See Krakovski, I., 699P
Sánchez-Chaves, M. See Martínez, G., 18C
Sanchez-Marcano, J. See Bas, C., 2413P
Sanda, F. See Zhao, H., 5168C
Sangermano, M.
—; Bongiovanni, R.; Priola, A.; Pospiech, D.: Fluorinated Alcohols as Surface-Active Agents in Cationic Photopolymerization of Epoxy Monomers, 4144C
Sano, T. See Kubo, T., 2112C
Sarac, A. See Cianga, L., 479C
Sarasua, J.-R. See Fraschini, C., 3308P
Sardinha, H. See Baghdadi, H., 233P
Sasaki, S. See Fukumoto, H., 215P; Yamamoto, T., 6223C, 2219P
Sasaki, T.
—; Yamauchi, N.; Irie, S.; Sakurai, K.: Differential Scanning Calorimetry Study on Thermal Behaviors of Freeze-Dried Poly(L-lactide) from Dilute Solutions, 115P
—; See Wu, Y., 1354P
Sathyanarayana, D. N. See Savitha, P., 1588C, 3040C
Sato, E. See Huang, K., 2836C
Sato, H.
—; Hirashima, Y.; Suzuki, A.; Goto, M.; Tokita, M.: Effects of Repeated Water Exchange on the Swelling Behavior of Poly(Sodium Acrylate) Gels Crosslinked by Aluminum Ions, 753P
Sato, M.
—; Tada, Y.; Nakashima, S.; Ishikura, K.-I.; Handa, M.; Kasuga, K.: Synthesis and Optical and Electrochemical Properties of Thermotropic, Liquid-Crystalline, Semirigid Copolyesters Based on 2,5-Diphenyl-1,3,4-thiadiazole Units, 1511C
Sato, T. See Hirano, T., 50C, 3899C; Matsuda, Y., 1401P, 2937P; Seno, M., 2013C, 5864C
Sato, Y. See Nagata, M., 2426C
Satoh, M.
—; Shirai, K.; Saitoh, H.; Yamauchi, T.; Tsubokawa, N.: Photografting of Polymers onto Nanosized Silica Surface Initiated by Eosin Moieties Immobilized onto the Surface, 600C
Satoh, T.
—; Imai, T.; Sugie, N.; Hashimoto, H.; Kakuchi, T.: Polymerization of 1,2:5,6-Diepithio-3,4-di-*O*-methyl-D-mannitol, 1,2:5,6-Diepithio-3,4-di-*O*-methyl-L-iditol, and 1,2:5,6-Diepithio-3,4-di-*O*-methyl-allitol Using Zinc Complexes: The Regio- and Stereoselectivities and Asymmetric Synthesis of Thiosugar Polymers, 4118C
—; See Miura, Y., 4271C; Narumi, A., 4373C; Otsuka, I., 5855C
Satou, T. See Yasuniwa, M., 2039P

Satoyama, M. See Baigude, H., 2195C
Sauguet, L. See Guiot, J., 917C
Saunier, J.
—; Alloin, F.: Block Polymethacrylonitrile Copolymers Based on a Central Polyether or Polyacetal Block: A Study of the Salt/Copolymer Complexes, 3665P
Savin, D. A.
—; Patterson, G. D.; Stevens, J. R.: Evidence for the γ-Relaxation in the Light Scattering Spectra of Poly (*n*-hexyl methacrylate) Near the Glass Transition, 1504P
Savitha, P.
—; Sathyanarayana, D. N.: Donor-Acceptor-Based Poly(toluidine-*co*-chloroaniline)s: Synthesis and Characterization, 1579C
—; Sathyanarayana, D. N.: Highly Conductive Soluble Terpolymers of Aniline, Toluidine, and *o*-Aminobenzoic Acid/*m*-Aminobenzenesulfonic Acid, 3040C
Sawada, Y. See Hiwatashi, T., 129C
Sbrana, G. See Carlini, C., 1978C
Scales, C. W. See Vasilieva, Y. A., 3141C
Schadler, L. S. See Ash, B. J., 114P; Ma, D., 488P
Schaefer, D. W. See Petrović, Z. S., 3178P
Schanze, K. S. See Thompson, B. C., 1417C
Schänzlin, K. See Holst, M., 2314P
Schappel, J.
—; Schmidt, K.; Klemm, E.: Alernating π-Conjugated Block Copolymers with Precise Block Length, 3574C
Schauer, J. See Dragan, E. S., 4161C
Schellenberg, J.
—; Influence of the Catalyst on Monomer Insertion in the Syndiospecific Copolymerization of Styrene and *para*-Methylstyrene, 2061C
Schiraldi, D. A. See Hu, Y. S., 1365P
Schmaljohann, D. See Gramm S., 142C
Schmidt, A. M. See Lendlein, A., 1369C
Schmidt, K. See Schappel, J., 3574C
Schoenmakers, P. J. See Lima, V., 959C
Schork, F. J. See Russum J. P., 2188C
Schouten, A. J. See Heijkants, R. G. J. C., 716P
Schroeter, M. See Lendlein, A., 1369C
Schubert, U. See Gao, Y., 6586C
Schubert, U. S. See Fijten, M. W. M., 3831C; Guerrero-Sanchez, C., 4151C; Holder, E., 2765C; Hoogenboom, R., 1487C; Lohmeijer, B. G. G., 6331C
Schulte, K. See de A. Prado, Luis, A. S., 2981P
Schultz, C.-L. See Kricheldorf, H. R., 1248C
Schutte, E. J. See Homrighausen, C. L., 4922C
Schwab, E.
—; Mecking, S.: Synthesis and Properties of Highly Branched Polycations with an Aliphatic Polyether Scaffold, 4609C
Schwarz, G. See Kricheldorf, H. F., 1248C, 3667C, 4781C, 5690C, 6233C, 6272C
Scoponi, M. See Angiolini, L., 5879C
Scranton, A. B. See Oxman, J. D., 1747C
Seabrook, S. A.
—; Tonge, M. P.; Gilbert, R. G.: Pulsed Laser Polymerization Study of the Propagation Kinetics of Acrylamide in Water, 1357C
Sebastián, P. J. See Velumani, S., 3058P
Šebenik, U.
—; Krajnc, M.: Semibatch Emulsion Polymerization of Methyl Methacrylate using Different Polyurethane Particles, 844C
—; Krajnc, M.: Properties of Acrylic–Polyurethane Hybrid Emulsions Synthesized by the Semibatch Emulsion Copolymerization of Acrylates Using Different Polyurethane Particles, 4050C
Sebra, R. P. See Reddy, S. K., 2134C
Sedaghat-Herati, R. See Hopkins, T. E., 1895C
Seguela, R.
—; Critical Review of the Molecular Topology of Semicrystalline Polymers: The Origin and Assessment of Intercrystalline Tie Molecules and Chain Entanglements, 1729P
Seidl, B. See Liska, R., 101C
Seifert, S. See Kipper, M. J., 463P
Selvanathan, G. See Manisankar, P., 1702C
Sen, A. See Borkar, S., 3728C; Wain, K. S., 1930C
Sengupta, S. S.
—; Parent, J. S.; Mclean, J. K.: Radical-Medited Modification of Polypropylene: Selectrive Grafting via Polyallyl Coagents, 4882C
Sengwa, R. J.
—; Abhilasha,: More, N. M.; Mehrotra, S. C.: Dynamic Structure of Poly(vinyl pyrrolidone)/Ethyl Alcohol Mixtures Studied by Time Domain Reflectometry, 1134P
Seno, K.-I. See Yoshida, T., 1155C
Seno, M.
—; Hasegawa, M.; Hirano, T.; Sato, T.: Radical Polymerization Behavior of Trimethoxyvinylsilane, 5864C
—; Yamada, T.; Wang, H.; Hirano, T.; Sato, T.: Kinetic Study of the Radical Polymerization Behavior of *N*-(1-Phenylethylaminocarbonyl) methacrylamide, 2013C
—; See Hirano, T., 50C, 3899C
Seo, S. W. See Hong, J. H., 3171P
Seppälä, J. See Ibrahim, K., 5049C; Lipponen, S., 5597C; Ristolainen, N., 1892P
Seraidaris, T.
—; Löfgren, B.; Helaja, T.; Vanne, T.; Mäkelä-Vaarne, N.: Reactions of Me_2Si(2-Me-4,5-Benzlnd)Zr(Cl)(NEt_2) and Me_2Si(2-Me-4,5-Benzlnd)$ZrCl_2$ (Benzlnd '3d Benzindenyl) with Trimethylaluminum and Methylaluminomoxane: Correlation of Spectroscopy and Propene Polymerizations, 6455C
Serimaa, R. See Ristolainen, N., 1892P

Serizawa, T.
—; Sakaguchi, H.; Matsusaki, M.; Akashi, M.: Polyelectrolyte Multilayers Prepared on Hydrogel Surfaces, 1062C
Serra, A. See Cervellera, R., 5799C; Fernandez, X., 3421C; Mas, C., 2337C
Serrano, J. L. See Tejedor, R. M., 4907C
Sevegney, M. S.
—; Kannan, R. M.; Siedle, A. R.; Percha, P. A.: FTIR Spectroscopic Investigation of Thermal Effects in Semi-Syndiotactic Polypropylene, 439P
Shaikh, S.
—; See Puskas, J. E., 5394C
Shamsuzzoha, M. See Rajan, G. S., 1475P
Shan, W. See Liao, M., 1344P
Sharma, S. C. See Henry, R. M., 1842P
Shen, D.
—; Yu, H.; Huang, Y.: Densely Grafting Copolymers of Ethyl Cellulose through Atom Transfer Radical Polymerization, 4099C
Shen, Q. See Li, H., 1312C; Zhao, B., 3966C; Zhou, L., 1778C
Shen, Y.
—; Zhang, L.: Elastic Behavior of Ring Polymer Chains, 223P
—; See Tang, H., 1432C; Tang, J., 5477C
Shen, Z. See Ling, J., 1787C
Sheng, H. See Li, H., 1312C
Shenogin, S.
—; Ozisik, R.: Simulation of Plastic Deformation in Glassy Polymers: Atomistic and Mesoscale Approaches, 994P
Sherrington, D. C. See Fontanals, N., 1718C
Shi, G. See Zhang, J., 241P
Shi, H.-F. See Zhang, X.-Q., 2924P
Shi, M. See Wang, X., 733C
Shi, W. See Xu, G., 3159P
Shi, Y.
—; Wu, Y.; Hao, J.; Li, G.: Microemulsion Copolymerization of Styrene and Acrylonitrile with *n*-Butanol as the Cosurfactant, 203C
Shibaeb, B. P. See Boiko, N. I., 2352P
Shibasaki, Y. See Matsumoto, K., 149C; Sakayori, K., 5571C; Toyokawa, F., 2527C; Watanabe, Y., 593C
Shibayama, M. See Ikkai, F., 617P; Okabe, S., 3567P
Shieh, J.-Y.
—; Hwang, H.-J.; Yang, S.-P.; Wang, C.-S.: Synthesis and Properties of a Cyanate Ester Containing Dicyclopentadiene(II), 671C
Shih, K.-C. See Chang, C.-J., 3337P
Shih, P.-I. See Tseng, Y.-H., 5147C
Shim, H.-K. See Lee, J., 1845C
Shim, S. E. See Jin, J. M., 5343C; Jung, H., 3566C
—; See Yang, S., 1309C
Shimizu, T.
—; Ichikawa, T.: Construction of a Polymer Skeleton That is Cut in Half by Ionizing Radiation, 1068C
Shin, D.-C. See Kim, Y.-H., 6515C
Shin, D. H. See Ko, Y. G., 1238C
Shin, D.-O. See Ryu, J.-H., 6562C
Shin, I. D. See Porbeni, F. E., 2086P
Shin, K. See Xiang, H., 3377P
Shin, K.-M.
—; Dong, T.; He, Y.; Inoue, Y.: Morphological Change of Poly(ϵ-caprolactone) with a wide Range of Molecular Weight via Formation of Inclusion Complex with α-Cyclodextrin, 1433P
Shin, W. S. See Jin, S.-H., 5062C
Shin, Y.-D.
—; Han, S.-H.; Samal, S.; Lee, J.-S.: Synthesis of Poly(2-vinyl pyridine)-*b*-poly(*n*-hexyl isocyanate) Amphiphilic Coil-Rod Block Copolymer by Anionic Polymerization, 607C
Shiono, T. See Ban, H. T., 1188C; Nakayama, Y., 3368C
Shiota, Y. See Mori, T., 1007C
Shiotsuki, M. See Nakazato, A., 4530C
Shirahama, H.
—; Ichimaru, A.; Tsutsumi, C.; Nakayama, Y.; Yasuda, H.: Characteristics of the Biodegradability and Physical Properties of Stereocomplexes between Poly(L-lactide) and Poly(D-lactide) Copolymers, 438C
Shirai, K. See Satoh, M., 600C
Shreeve, J. M. See Gao, Y., 974C
Shter, G. E. See Dubinsky, S., 1168P
Shu, C.-F. See Su, H.-J., 859C; Tseng, Y.-H., 5147C
Shuai, X. See Porbeni, F. E., 2086P
Shul, Y. See Sundar, S., 2370P
Shul, Y. G. See Yang, S.-J., 1455P
Shunmugam, R.
—; Tew, G. N.: Efficient Route to Well-Characterized Homo, Block, and Statistical Polymers Containing Terpyridine in the Side Chain, 5831C
Shyamroy, S.
—; Garnaik, B.; Sivaram, S.: Structure of Poly(L-lactic acid)s Prepared by the Dehydropolycondensation of L-Lactic Acid with Organotin Catalysts, 2164C
Shyu, S.-S. See Mi, F.-L., 1985C
Si, Q.-F.
—; Wang, X.; Fan, X.-D.; Wang, S.-J.: Synthesis and Characterization of Ultraviolet-Curable Hyperbranched Poly(siloxysilane)s, 1883C
—; See Qiao, W.-Q., 3067C
Si, Z. See Yu, Y., 6105C
Siedle, A. R. See Sevegney, M. S., 439P
Siegel, R. W. See Ash, B. J., 114P; Ma, D., 488P
Siegmann, A. See Artzi, N., 1931P
Sikora, A. See Toman, L., 3823C
Sill, K.
—; Emrick, T.: Bis-Dendritic Polyethylene Prepared by Ring-Opening Metathesis Polymerization in the Presence of Bis-Dendritic Chain Transfer Agents, 5429C
Silva, C.
—; Matamá, T.; Guebitz, G. M.; Cavaco-Paulo, A.: Influence of Organic Solvents on Cutinase Stability and Accessibility to Polyamide Fibers, 2749C
Silva, C. M.
—; Carneiro, F.; O'Neill, A.; Fonseca, L. P.; Cabral, J. S. M.; Guebitz, G.; Cavaco-Paulo, A.: Cutinase–A New Tool for Biomodification of Synthetic Fibers, 2448C

Silverstein, M. S. See Dubinsky, S., 1168P
Simanek, E. E. See Acosta, E. J., 168C; Bergbreiter, D. E., 4654C
Simard, B. See Leelapornpisit, W., 2445P
Simha, R. See Consolati, G., 2225P
Simionescu, B. C. See Aldea, G., 5814C
Singh, R. P. See Mishra, S., 107P
Sinsawat, A. See Anderson, K. L., 1014P
Siochi, E. J. See McLachlan, D. S., 3273P
Sipani, V. See Oxman, J. D., 1747C
Sivakumar, M.
—; Mahesh, K. P. O.; Yamamoto, Y.; Yoshimizu, H.; Tsujita, Y.: Structure and Properties of the δ-Form and Mesophase of Syndiotactic Polystyrene Membranes Prepared from Different Organic Solvents, 1873P
Sivaram, S. See Ray, S., 304C; Shyamroy, S., 2164C
—; See Mittal, A., 4996C
Skarp, K. See Kozlovsky, M., 1779P
Sliozberg, Y.
—; Abrams, C. F.: Structural Correlations in Comb Heteropolymers in Good and Backbone-Selective Solvents, 983P
Slomkowski, S. See Jakubowski, W., 1498C
Small, A.
—; Hong, S.; Pine, D.: Scattering Properties of Core–Shell Particles in Plastic Matrices, 3534P
Smit, M.
—; Zheng, X.; Loos, J.; Chadwick, J. C.; Koning, C. E.: Effects of Methylaluminoxane Immobilization on Silica on the Performance of Zirconocene Catalysts in Propylene Polymerization, 2734C
Smith, C. W.
—; Tan, K. H.; Evans, K. E.; Resendes, R.; Bartole-Scott, A.; Manners, I.: Mechanical Properties of the Novel Organometallic Polymer Poly(ferrocenyldimethylsilane), 2280P
Smith, D. W., Jr. See Abayasinghe, N. K., 5257C
Smith, G. D. See Borodin, O., 1005P; Müller, M., 934P
Smitha, B.
—; Sridhar, S.; Khan, A. A.: Proton Conducting Composite Membranes from Polysulfone and Heteropolyacid for Fuel Cell Applications, 1538P
Smitha, P.
—; Asha, S. K.; Pillai, C. K. S.: Synthesis, Characterization, and Hyperpolarizability Mesurements of Main-Chain Azobenzene Molecules, 4455C
Smolensky, E. See Volkis, V., 4505C
So, T. See Wu, Y., 1354P
Soares, J. B. P.
—; Anantawaraskul, S.: Crystallization Analysis Fractionation, 1557P
Sogo, K. See Nakayama, Y., 3368C
Solak, H. H. See Edwards, E. W., 3444P
Solomon, D. H.
—; Genesis of the CSIRO Polymer Group and the Discovery and Significance of Nitroxide-Mediated Living Radical Polymerization, 5748C
Somlai, L. S.
—; Liu, R. Y. F.; Landoll, L. M.; Hiltner, A.; Baer, E.: Effect of Orientation on the Free Volume and Oxygen Transport of a Polypropylene Copolymer, 1230P
Sonawane, S. H. See Mishra, S., 107P
Song, C. See Ren, M., 3231P; Song, J., 2326P
Song, H. H. See Lee, S. M., 3019P
Song, J.
—; Chen, Q.; Ren, M.; Sun, X.; Zhang, H.; Zhang, H. F.; Mo, Z.: Effect of Partial Melting on the Crystallization Kinetics of Nylon-1212, 3222P
—; Ren, M.; Chen, Q.; Sun, X.; Zhang, H. C.; Zhang, H.; Mo, Z.: Isothermal and Nonisothermal Crystallization Kinetics of Irradiated Nylon 1212, 2326P
—; See Ren, M., 553P, 3231P
Song, Y.
—; Nemoto, N.: Segmental Orientations and Deformation Mechanism of a Poly(ether-*block*-amide) Film, 1161P
—; Zheng, Q.: Self-Heating and Conduction of an Acetylene Carbon Black Filled High-Density Polyethylene Composite at the Electric-Thermal Equilibrium State, 2484P
—; See Naka, Y., 1520P
Sorrentino, L.
—; Iannace, S.; Di Maio, E.; Acierno, D.: Isothermal Crystallization Kinetics of Chain-Extended PET, 1966P
Sosson, F.
—; Chateauminois, A.; Creton, C.: Investigation of Shear Failure Mechanisms of Pressure-Sensitive Adhesives, 3316P
Soucek, M. D. See Zong, Z., 1607C
Soykan, C.
—; Güven, Ş.; Coşkun, R.: 2-[(5-Methylisoxazol-3-yl)amino]-2-oxo-ethyl Methacrylate with Glycidyl Methacrylate Copolymers: Synthesis, Thermal Properties, Monomer Reactivity Ratios, and Antimicrobial Activity, 2901C
Sparer, R. See Lyu, S., 383P
Spěváček, J. See Toman, L., 3823C
Sridhar, S. See Smitha, B., 1538P
Srikhirin, T. See Wutticharoenmongkol, P., 1881P
Srinivasan, K. S. V. See Sundarrajan, S., 638C
Srivastava, R. K.
—; Albertsson, A.-C.: High-Molecular-Weight Poly(1,5-dioxepan–2-one) via Enzyme-Catalyzed Ring-Opening Polymerization, 4206C
Stanescu, P.
—; Majesté, J. C.; Carrot, C.: Modeling, of the Linear Viscoelastic Behavior of Low-Density Polyethylene, 1973P
Starck, P. See Ibrahim, K., 5049C
Starnes, W. H., Jr.
—; Structural Defects in Poly(vinyl chloride), 2451C
Stassin, F.
—; Jérôme, R.: Polymerization of (L,L)-Lactide and Copolymerization with ϵ-

Caprolactone Initiated by Dibutyltin Dimethoxide in Supercritical Carbon Dioxide, 2777C
Štefanec, D. See Krajnc, P., 296C
Steiner, U.:
—; Force Measurements Using Capillary Instabilities, 3395P
Stenzel, M. H. See Chiu, T. Y. J., 5699C
Stephan, T. See Wegrzyn, J. K., 2977C
Stephanopoulos, G. See Ismail, A. E., 897P
Stevens, J. R. See Savin, D. A., 1504P
Stiller, B. See Tejedor, R. M., 4907C
Storey, R. F. See Mountz, D. A., 764P
Stöver, H. D. H. See Jones, J. A., 6095C; Yin, X., 1641C
Stoykovich, M. P. See Edwards, E. W., 3444P
Strandberg, C. See Albertsson, A.-C., 5889C
Strandman, S.
—; Pulkkinen, P.; Tenhu, H.: Effect of Ligand on the Synthesis of Star Polymers by Resorcinarene-Based ATRP Initiators, 3349C
Strat, G. See Buruiana, E. C., 3945C
Strat, M. See Buruiana, E. C., 3945C
Street, G.
—; Illsley, D.; Holder, S. J.: Optimization of the Synthesis of Poly(octadecyl acrylate) by Atom Transfer Radical Polymerization and the Preparation of All Comblike Amphiphilic Diblock Copolymers, 1129C
Strehmel, V. See Tejedor, R. M., 4907C
Stromeyer, S. L. See Rajan, G. S., 1475P
Stubbs, J. M.
—; Sundberg, D. C.: Measuring the Extent of Phase Separation During Polymerization of Composite Latex Particles Using Modulated Temperature DSC, 2790P
Stumpe, J. See Tejedor, R. M., 4907C
Su, H.-J.
—; Wu, F.-I.; Shu, C.-F.; Tung, Y.-L.; Chi, Y.; Lee, G.-H.: Polyfluorene Containing Diphenylquinoline Pendants and Their Applications in Organic Light Emitting Diodes, 859C
Su, H.-Y. See Kuan, H.-C., 1P; Ma, C.-C. M., 1076P
Su, T.-H. See Liou, G.-S., 3245C
—; Hsiao, S.-H.; Liou, G.-S.: Novel family of Triphenylamine-Containing, Hole-Transporting, Amorphous, Aromatic Polyamides with Stable Electrochromic Properties, 2085C
Su, W.-C. See Chen, C.-P., 682C
Sudo, A. See Motokucho, S., 3711C; Uenishi, K., 4422C, 5119C, 6492C
Sudol, E. D. See Lai, Z., 2675C
Sue, H.-J. See Weon, J.-I., 3555P
Sugie, N. See Satoh, T., 4118C
Sugihara, S. See Matsuda, Y., 2937P
Sugimoto, H.
—; Inoue, S.: Copolymerization of Carbon Dioxide and Epoxide, 916C
—; Ohtsuka, H.; Inoue, S.: Alternating Copolymerization of Carbon Dioxide and Epoxide Catalyzed by an Aluminum Schiff Base–Ammonium Salt System, 4172C
Sugita, A.
—; Yamashita, Y.; Tasaka, S.: Electrical Functionalities of Poly(*n*-hexyl isocyanate) in Solid Phase, 3093P
Suh, K.-D. See Ryu, J.-H., 6562C
Sui, J. See Chen, S., 1670C
Sukumaran, S. K.
—; Grest, G. S.; Kremer, K.; Everaers, R.: Identifying the Primitive Path Mesh in Entangled Polymer Liquids, 917P
Sumita, M. See Arai, T.,2568P; Hirota, S.-I., 2951P; Tai, X., 184P; Tominaga, Y., 3151P
Sumpter, B. G. See Barnes, M. D., 1571P
Sun, H. See Zhou, L., 1778C
Sun, J. See Qiu, X., 5177C
Sun, K. See Yan, H., 573P
Sun, L. See Chen, L., 296P
Sun, S. L.
—; Tan, Z. Y.; Xu, X. F.; Zhou, C.; Ao, Y. H.; Zhang, H. X.: Toughening of Nylon-6 with Epoxy-Functionalized Acrylonitrile-Butadiene-Styrene Copolymer, 2170P
—; See Tan, Z. Y., 2715P
Sun, S.-S. See Thomas, S., 4280C
Sun, W. See Tang, J., 5477C
Sun, X. See Ren, M., 553P, 3231P; Song, J., 2326P, 3222P
Sun, Y. See Chen, Z., 4089C
Sun, Y.-S. See Yeh, S.-W., 1220P
Sundar, S.
—; Jang, W.; Lee, C.; Shul, Y.; Han, H.: Crosslinked Sulfonated Polyimide Networks as Polymer Electrolyte Membranes in Fuel Cells, 2370P
Sundarrajan, S.
—; Surianarayanan, M.; Srinivasan, K. S. V.: Synthesis and Characterization of Saturated and Unsaturated Polysulfide Polymers and Their Thermal Degradation Processes Investigated by Flash Pyrolysis–Gas Chromatography/Mass Spectrometry, 638C
Sundberg, D. C. See Stubbs, J. M., 2790P
Sung, H.-H.
—; Lin, H.-C.: Synthesis and Characterization of Poly(fluorene)-Based Copolymers Containing Various 1,3,4-Oxadiazole Pendants, 2700C
Sung, H. H. Y. See Lai, L. M., 3701C
Supaphol, P.
—; Mit-Uppatham, C.; Nithitanakul, M.: Ultrafine Electrospun Polyamide-6 Fibers: Effect of Emitting Electrode Polarity on Morphology and Average Fiber Diameter, 3699P
—; See Wutticharoenmongkol, P., 1881P
Suresh, K. I.
—; Jaikrishna, M.: Synthesis of Novel Crosslinkable Polymers by Atom Transfer Radical Polymerization of Cardanyl Acrylate, 5953C
Surianarayanan, M. See Sundarrajan, S., 638C
Suto, Y. See Yin, Y., 1545C
Suzuki, A.
—; Nagai, D.; Ochiai, B.; Endo, T.: Synthesis of Well-Defined Three-Armed Polystyrene Having Thiourethane–Isocyanurate as the Core Structure

Derived from Trifunctional Five-Membered Cyclic Dithiocarbonate, 5498C
—; Okabe, N.; Suzuki, H.: Effects of Guest Microparticles on the Swelling Behavior of Polyacrylamide Gels, 1696P
—; See Sato, H., 753P
Suzuki, H. See Suzuki, A., 1696P
Suzuki, T. See Harada, M., 1214P, 1486P
Szleifer, I. See Rizzotto, M., 1849P

Tabata, M. See Huang, K., 2836C
Tada, Y. See Sato, M., 1511C
Tai, X.
—; Wu, G.; Tominaga, Y.; Asai, S.; Sumita, M.: An Approach to One-Dimensional Conductive Polymer Composites, 184P
Takagi, K.
—; Kunii, S.; Yuki, Y.: Synthesis and Photophysical Properties of Polyfluorenes Bearing Silicon-Based Functional Groups, 2119C
Takai. M. See Inoue, Y., 6073C
Takano, A.
—; Kawashima, W.; Noro, A.; Isono, Y.; Tanaka, N.; Dotera, T.; Matsushita, Y.: A Mesoscopic Archimedean Tiling Having a New Complexity in an ABC Star Polymer, 2427P
—; See Harada, M., 1214P, 1486P
Takano, T. See Ifuku, S., 5023C
Takeishi M. See Kobayashi, M., 2754C
Takolpuckdee, P. See Perrier, S., 5347C
Tam, K. C. See Dai, S., 3288P
Tammaro, L.
—; Tortora, M.; Vittoria, V.; Costantino, U.; Marmottini, F.: Methods of Preparation of Novel Composites of Poly(ϵ-caprolactone) and a Modified Mg/AI Hydrotalcite, 2281C
Tamura, Y.
—; Tanaka, F.: Thermoreversible Gelation with Hydrogen-Bonded Zipper-Like Crosslink Junctions, 3331P
Tan, K. H. See Smith, C. W., 2280P
Tan, Z. Y.
—; Sun, S. L.; Xu, X. F.; Zhou, C.; Ao, Y. H.; Zhang, H. X.: Effect of Aging Time on Properties of Acrylic Impact Modifier Modified Bisphenol A Polycarbonate, 2715P
—; See Sun, S. L., 2170P
Tanaka, A. See Tokumitsu, K., 2259P
Tanaka, F. See Tamura, Y., 3331P
Tanaka, K. See Yin, Y., 1545C
Tanaka, M. See Mori, T., 1007C, 1569C, 4942C; Nakano, T., 1150C
Tanaka, N. See Hosoya, K., 2556C; Kubo, T., 2112C; Takano, A., 2427P; Watabe, Y., 2048C
Tanaka, S. See Ihara, E., 4405C
Tanaka, Y. See Obata, M., 2997C
Tang, B. Z. See Lai, L. M., 3701C
Tang, H.
—; Tang, S.; Radosz, M.; Shen, Y.; Ding, S.: Atom Transfer Radical Polymerization of Styrenic Ionic Liquid Monomers and Carbon Dioxide Absorption of the Polymerized Ionic Liquids, 1432C
—; See Tang, J., 5477C
Tang, J.
—; Tang, H.; Sun, W.; Radosz, M.; Shen, Y.: Poly(ionic liquid)s as New Materials for CO_2 Absorption, 5477C
—; See Liu, X., 1997P
Tang, L.
—; Fang, Y.; Tang, X.: Influence of Alkyl Chains of Amphiphilic Hyperbranched Poly (ester amine)s on the Phase-Transfer Performances for Acid Dye and the Aggregation Behaviors at the Interface, 2921C
Tang, L.-M.
—; Duan, Y.-Q.; Pan, L.; Li, Y.-S.: Copolymerization of Ethylene and Cyclopentene with Bis(β-enaminoketonato) Titanium Complexes, 1681C
—; Hu, T.; Pan, L.; Li, Y.-S.: Ethylene/α-Olefin Copolymerization with Bis(β-enaminoketonato) Titanium Complexes Activated with Modified Methylaluminoxane, 6323C
Tang, R.
—; Chuai, Y.; Cheng, C.; Xi, F.; Zou, D.: SynthesEs and Electroluminescence Properties of Conjugated Poly(*p*-phenylene vinylene) Derivatives Bearing Dendritic Pendants, 3126C
—; See Cheng, C.-X., 2291C
Tang, S. See Tang, H., 1432C
Tang, T.
—; Hui, C.-Y.: Decohesion of a Rigid Punch from an Elastic Layer: Transition from "Flaw Sensitive" to "Flaw Insensitive" Regime, 3628P
Tang, X. See Cui, M., 2476C; Ma, X., 3575P; Tang, L., 2921C
Tanigaki, N. See Mochizuki, H., 2307P
Tanihara, M. See Morihara, Y., 6048C
Tanikawa, S. See Gunji, T., 3623C
Tao, S. See Guangtao, L., 4547C
Tao, X. M. See Ding, X. M., 1865P
Tapia-McClung, H.
—; Grønbech-Jensen, N.: Non-iterative and exact Method for Constraining Particles in a Linear Geometry, 911P
Tasaka, S. See Sugita, A., 3093P
Tejedor, R. M.
—; Oriol, L.; Piñol, M.; Serrano, J. L.; Strehmel, V.; Stiller, B.; Stumpe, J.: Photoreactive Main-Chain Liquid-Crystalline Polyesters: Synthesis, Characterization, and Photochemistry, 4907C
Temma, T.
—; Habaue, S.: Highly Selective Oxidative Cross-Coupling Polymerization with Copper(I)-Bisoxazoline Catalysts, 6287C
Temperini, M. L. A. See Do Nascimento, G. M., 815C
Temüz, M. M.
—; Coşkun, M.: Graft Copolymerization of Poly(styrene-*co*-*p*-choloromethylstyrene) with Methyl Methacrylate and Acryloylmorpholine by Atom Transfer Radical Polymerization: Graft Copolymer Characterization and Monomer Reactivity Ratios, 3771C
—; See Mürşit, M., 3771C
Teng, C.-C. See Chen, C.-H., 1465P
Tenhu, H. See Dudkina, M., 398P; Strandman, S., 3349C
Tenkovtsev, A. V. See Dudkina, M. M., 398P, 2493P

Teoh, M. M.
—; Liu, S. L.; Chung, T. S.: Effect of Pyridazine Structure on Thin-Film Polymerization and Phase Behavior of Thermotropic Liquid Crystalline Copolyesters, 2230P
Teraguchi, M.
—; Ohtake, M.; Inoue, H.; Yoshida, A.; Aoki, T.; Kaneko, T.; Yamanaka, K.: Preparation of Chiral Polystyrene Monoliths by Utilizing W/O Emulsion Polymerization and Their Optical Resolution Ability, 2348C
Teramachi, M. See Hosoya, K., 2556C
Terano, M. See Fang, Y., 4632C
Terasawa, N. See Yamaguchi, T., 1090P
Terui, Y.
—; Matsuda, S.-I.; Ando, S.: Molecular Structure and Thickness Dependence of Chain Orientation in Aromatic Polyimide Films, 2109P
Tew, G. N. See Shunmugam, R., 5831C
Tezuka, Y. See Tsuji, H., 1064P
Thakur, M. See Vippa, P., 3695P
Thiem, J. See Henkensmeier, D., 3814C
Thio, Y. S. See Wu, J., 1950P
Thiyagarajan, P. See Kipper, M. J., 463P; Li, K., 6007C
Thomas, A. G. See Busfield, J. J. C., 1649P
Thomas, D. B. See Vasilieva, Y. A., 3141C
Thomas, S.
—; Zhang, C.; Sun, S.-S.: Synthesis and Characterization of a New Acceptor (*n*-Type) Fluorinated and Terminal -Functionalized Polythiophene, 4280C
Thompson, B. C.
—; Madrigal, L. G.; Pinto, M. R.; Kang, T.-S.; Schanze, K. S.; Reynolds, J. R.: Donor-Acceptor Copolymers for Red- and Near-Infrared-Emitting Polymer Light-Emitting Diodes, 1417C
Thünemann, A. F. See Lutz, J.-F., 4805C
Tian, G. See Yan, H., 573P
Tian, R. See Du, N., 397C; Yang, R., 823C
Tian, Z. See Chen, L., 296P
Tibirna, C. M.
—; Bazuin, C. G.: Liquid Crystalline Complexes of an Azo-Containing Surfactomesogen with Oppositely Charged Polyelectrodes, 3421P
Tillier, D. L.
—; Meuldijk, J.; Magusin, P. C. M. M.; Van Herk, A. M.; Koning, C. E.: About Crosslinking of Low Molecular Weight Ethylene-Propylene(-Diene) Copolymer-Based Artificial Latices, 3600C
Tillman, E. S. See Goodman, C. C., 2657C
Tjong, S. C.
—; Bao, S. P.: Crystallization Regime Characteristics of Exfoliated Polyethylene/Vermiculite Nanocomposites, 253P
—; Bao, S. P.: Impact Fracture Toughness of Polyamide-6/Montmorillonite Nanocomposites Toughened with a Maleated Styrene/Ethylene Butylene/Styrene Elastomer, 585P
—; Bao, S. P.; Liang, G. D.: Polypropylene/Montmorillonite Nanocomposites Toughened with SEBS-*g*-MA: Structure–Property Relationship, 3112P
Todd, E. K. See Abd-El-Aziz, A. S., 1382C
Toghiani, H. See Li, G. Z., 355C; Liang, K., 3887C
Toh, C. L.
—; Xu, J.; Lu, X.; He, C.: Synthesis of Main-Chain Hydrogen-Bonded Supramolecular Liquid Crystalline Complexes: The Effects of Spacer on Thermal Behavior of Mesophase, 4731C
Tokita, M. See Sato, H., 753P
Tokumitsu, K.
—; Tanaka, A.; Kobori, K.; Kozono, Y.; Yamada, M.; Nitta, K.-H.: Viscoelastic Properties of Bis(phenyl)fluorene-Based Cardo Polymers with Different Chemical Structure, 2259P
Tokunaga, S. See Baigude, H., 2195C
Toman, L.
—; Janata, M.; Spěváček, J.; Vlček, P.; Látalová, P.; Sikora, A.; Masař, B.: Synthesis of Methyl Methacrylate, Styrene, and Isobutylene Multiblock Copolymers Using Atom Transfer and Cationic Polymerization, 3823C
Tomba, J. P.
—; Calculation of Polymer Blend Compositions from Vibrational Spectra: A Simple Method, 1144P
—; Carella, J. M.; Pastor, J. M.: Fractionation Process in TREF Systems: Validation of Thermodynamic Model and Calculation Procedure by Raman LAM Studies, 3083P
—; See Wu, J., 5581C
Tominaga, Y.
—; Hirahara, S.; Asai, S.; Sumita, M.: Specific Ionic Conduction in Poly[oligo (oxyethylene glycol) methacrylate] (PMEO)–Li Salt Complexes Under High-Pressure CO_2, 3151P
—; See Arai, T.,2568P; Hirota, S.-I., 2951P; Tai, X., 184P
Tomita, I. See Ishibe, S., 3403C
Tomlinson, M. R. See Bhat, R. R., 3384P
Ton-That, M.-T. See Leelapornpisit, W., 2445P
Tonck, A. See Cayer-Barrioz, J., 264P
Tonelli, A. E. See Porbeni, F. E., 2086P; Uyar, T., 2578P
Tonelli, C. See Bongiovanni, R., 3588C; Russo, A., 4790C
Tonge, M. P. See Seabrook, S. A., 1357C
Torikai, N. See Harada, M., 1486P
Torkelson, J. M. See Brinker, K. L., 3413P
Torkkeli, M. See Ristolainen, N., 1892P
Tortora, M. See Gorrasi, G., 2454P; Tammaro, L., 2281C
Toselli, M. See Bongiovanni, R., 3588C
Toyokawa, F.
—; Fukukawa, K.-I.; Shibasaki, Y.; Ando, S.; Ueda, M.: Synthesis of a Highly Transparent Poly(*o*-Hydroxyamide) in the *i*-Line Region and Its Application to Photosensitive Polymers, 2527C

Toyota, A. See Naga, N., 911C
Tran, N. D. See Dutta, N. K., 1392P
Tran-Cong-Miyata, Q. See Inoue, K., 2898P
Trinh, X.-A. See Inoue, K., 2898P
Trom, M. C. See Oxman, J. D., 1747C
Trovato, A. See Marenduzzo, D., 650P
Tsai, C.-W. See Lin, Y.-S., 2023P
Tsai, H.-C. See Huang, H.-M., 4710C
Tsai, H.-H. See Lee, C.-F., 342C
Tsai, J.-C.
—; Kuo, J. C.; Chen, Y.-C.: Novel Catalyst Compositions for the Syndiospecific Polymerization of Styrene Prepared by the Combination of Cyclopentadenyl Complexes of Group IIA or Group IIIA Elements with Titanium Alkoxides, 2304C
Tsai, P.-H. See Yang, I.-K., 2557P
Tsai, S.-H. See Wu, C.-S., 1923C
Tsai, S.-J. See Wu, J.-Y., 3242P
Tse, C. W.
—; Lam, L. S. M.; Man, K. Y. K.; Wong, W. T.; Chan, W. K.: Synthesis and Characterization of Random and Block Copolymers with Pendant Rhenium Diimine Complexes by Controlled Radical Polymerization, 1292C
Tseng, Y.-H.
—; Wu, F.-I.; Shih, P.-I.; Shu, C.-F.: Poly(*p*-phenylenevinylene) Presenting Pendent Pentaphenylene Dendron Groups for Light-Emitting Diodes, 5147C
Tsiang, R. C.-C. See Huang, H.-M., 4710C
Tsubakihara, S. See Yasuniwa, M., 2039P
Tsubokawa, N. See Chen, J., 2843P; Satoh, M., 600C
Tsuda, K. See Kobayashi, M., 2754C
Tsuji, H.
—; Tezuka, Y.; Yamada, K.: Alkaline and Enzymatic Degradation of L-Lactide Copolymers. II. Crystallized Films of Poly(L-lactide-*co*-D-lactide) and Poly(L-lactide) with Similar Crystallinities, 1064P
Tsuji, M. See Nakano, T., 1150C
Tsujii, Y. See Ifuku, S., 5023C
Tsujino, T. See Yoshida, T., 468C
Tsujita, Y. See Mhesh, K. P. O., 2380P; Sivakumar, M., 1873P
Tsunogae, Y. See Ban, H. T., 1188C
Tsutsumi, C. See Shirahama, H., 438C
Tsutsumi, M. See Yamanaka, A., 2754P
Tung, N. T.
—; Yu, Y.-J.; Kim, K.; Joo, S.-H.; Park, Y.; Jin, J.-I.: Versatile Preparation of Poly(1,4-phenylenevinylene-*co*-1,4-phenylene-1,2-ethanediyl) by CVD Polymerization of *p*-(Methoxymethyl)benzyl Chloride, 742C
Tung, Y.-L. See Su, H.-J., 859C
Tzanetos, N. P.
—; Andreopoulou, A. K.; Kallitsis, J. K.: Side-Chain Terpyridine Polymers through Atom Transfer Radical Polymerization and Their Ruthenium Complexes, 4838C
—; Kallitsis, J. K.: Synthesis and Optical Properties of Green-Light-Emitting Copolymers Containing Side-Chain Oxadiazole Units, 1049C

Uchida, T. See Kimura, K., 1624C
Uchino, K. See Kobayashi, M., 4126C
Uddin, A. J.
—; Gotoh, Y.; Ohkoshi, Y.; Nagura, M.; Endo, R.; Hara, T.: Hydration in a New Semiaromatic Polyamide Observed by Humidity-Controlled Dynamic Viscoelastometry and X-ray Diffraction, 1640P
Ueda, M. See Kamimura, Y., 1210C; Matsumoto, K., 149C; Sakayori, K., 5571C; Toyokawa, F., 2527C; Watanabe, Y., 593C
Uenishi, K.
—; Sudo, A.; Endo, T.: A Novel Cyclic Dithiocarbonate Having Siloxane Moiety: Approach to Curable Siloxane Oligomer, 4422C
—; Sudo, A.; Endo, T.: Novel Siloxane-Carrying Dithiol Derived from 5-Membered Cyclic Dithiocarbonate and Its Curing Reactions for Coating Application, 5119C
—; Sudo, A.; Endo, T.: Synthesis and Crosslinking Reaction of Poly(thiourethane)s Having a Siloxane Moiety in the Side Chain, 6492C
Ueno, I. See Mochizuki, H., 2307P
Ueno, W. See Kai, T., 2068C
Uhring, D.
—; Mays, J. W.: Experimental Techniques in High-Vacuum Anionic Polymerization, 6179C
Uno, T. See Kubo, M., 5032C; Mitsuda, Y., 5195C
Untereker, D. See Lyu, S., 383P
Urakawa, H. See Yamaguchi, T., 1090P
Urayama, K. See Saikrasun S. 135P
Uryu, T. See Baigude, H., 2195C
Usanmaz, A. See Vargün, E., 3957C
Uyar, T.
—; Rusa, C. C.; Wang, X.; Rusa, M.; Hacaloglu, J.; Tonelli, A. E.: Intimate Blending of Binary Polymer Systems from Their Common Cyclodextrin Inclusion Compounds, 2578P

Vaia, R. A. See Anderson, K. L., 1014P
Vainio, U. See Ristolainen, N., 1892P
Vakhtangishvili, L. See Kricheldorf, H. F., 6233C, 6272C
Van Calck, R. V. See Heijkants, R. G. J. C., 716P
Van Der Linde, R. See Lima, V., 959C
Van Dongen, J. L. J. See Jayakannan M., 1454C
Van Durme, K.
—; Delellio, L.; Kudryashov, E.; Buckin, V.; Van Mele, B.: Exploration of High-Resolution Ultrasonic Spectroscopy as an Analytical Tool to Study Demixing and Remixing in Poly(*N*-isopropyl acrylamide)/Water Solutions, 1283P
—; See Pyda, M., 2141P
Van Genderen, M. H. P. See Broeren, M. A. C., 6431C
Van Herk, A. M. See Tillier, D. L., 3600C

Van Hest, J. C. M. See Ayres, L., 6355C; Broeren, M. A. C., 6431C
Van Mele, B. See Pyda, M., 2141P; Van Durme, K., 1283P
Vanlandingham, M. R.
—; Chang, N.-K.; Drzal, P. L.; White, C. C.; Chang, S.-H.: Viscoelastic Characterization of Polymers Using Instrumented Indentation. I. Quasi-Static Testing, 1794P
—; See White, C. C., 1812P
Vanne, T. See Seraidaris, T., 6455C
Vannini, M.
—; Finelli, L.; Lotti, N.; Colonna, M.; Lorenzetti, C.; Munari, A.: Thermal Behavior and Crystallization Kinetics of Random Poly(Ethylene-Co-2,2-Bis[4-(Ethylenoxy)-1,4-Phenylene]Propane Terephthalate) Copolyesters, 1441P
Vargün, E.
—; Usanmaz, A.: Polymerization of 2-Hydroxyethyl Acrylate in Bulk and Solution by Chemical Initiator and by ATRP Method, 3957C
Varlet, J. See Yu, Z.-Z., 1100P
Varshney, A. See Prajapati, K., 6524C
Vasilieva, Y. A.
—; Scales, C. W.; Thomas, D. B.; Ezell, R. G.; Lowe, A. B.; Ayres, N.; McCormick, C. L.: Controlled/Living Polymerization of Methacrylamide in Aqueous Media via the RAFT Process, 3141C
Vazaios, A.
—; Hadjichristidis, N.: Anionic Polymerization of Styrenic Macromonomers of Polyisoprene, Polybutadiene, and Polystyrene, 1038C
—; See Zorba, G., 3533C
Vedhi, C. See Manisankar, P., 1702C
Vega, J. F. See Aguilar, M., 2963P
Velasco, J. G. See García-Cañadas, J., 2407C
Velumani, S.
—; Ascencio, J. A.; Canizal, G.; Sebastián, P. J.; García-Serrano, J.; Pal, U.: Experimental and Theoretical Analysis of Electropolymerized PMeT Thin Films, 3058P
Verdier, C. See Piau, J.-M., 145P
Veron, L. See Sahnoun, M., 3551C
Versteegen, R. M. See Broeren, M. A. C., 6431C
Vert, M. See Huang, M.-H., 4196C
Vestberg, R.
—; Nilsson, C.; Lopes, C.; Lind, P.; Eliasson, B.; Malmström, E.: Thiophene-Cored 2,2-Bis(methylol)propionic Acid Dendrimers for Optical-Power-Limiting Applications, 1177C
Vicente, J.
—; Gil-Rubio, J.; Barquero, N.: Synthesis, Characterization, and Metal Complexes of Polyacetylenes with Pendant 2,2′-Bipyridyl Groups, 3167C
Vilas, J. L. See Laza, J. M., 1548P
Vippa, P.
—; Rajagopalan, H.; Thakur, M.: Electrical and Optical Properties of a Novel Nonconjugated Conductive Polymer, Poly(β-pinene), 3695P
Viswanathan, K.
—; Long, T. E.; Ward, T. C.: Silicon Surface Modification with Trialkoxysilyl Functionalized Star-Shaped Polymers, 3655C
Viswanath, A. K. See Kulkarni, M. V., 2161P
Vittoria, V. See Gorrasi, G., 2454P; Tammaro, L., 2281C
Vlček, P. See Toman, L., 3823C
Vohlidal, J. See Nakazato, A., 4530C
Voit, B.
—; Hyperbranched Polymers—All Problems Solved after 15 Years of Research?, 2679C
—; See Elrehim, M. A., 3376C; Rueda, J. C., 122C; Yin, M., 1873C
Volkis, V.
—; Smolensky, E.; Lisovskii, A.; Eisen, M. S.: Solvent Effects in the Polymerization of Propylene Catalyzed by Octahedral Complexes, 4505C
Volpert, V. A. See Lewis, L. L., 5774C
Vomero, S. See Cappelli, A., 3289C
Von Lossow, C. See Kricheldorf, H. R., 5690C
Von Meerwall, E. D. See Mattice, W. L., 1260P
Výprachtický, D. See Mikroyannidis, J. A., 3079C

Wach, R. A.
—; Kudoh, H.; Zhai, M.; Muroya, Y.; Katsumura, Y.: Laser Flash Photolysis of Carboxymethylcellulose in an Aqueous Solution, 505C
Wagener, K. B. See Lehman, S. E., Jr., 6134C
Wagner, O. I. See Dalhaimer, P., 280P
Waheed, N.
—; Rutledge, G. C.: Crossover Behavior in Crystal Growth Rate from *n*-Alkane to Polyethylene, 2468P
Wain, K. S.
—; Sen, A.; Kim, S. H.: Growth of Polystyrene Films via Gas-Phase Polymerization with $[Pd(CH_3CN)_4][BF_4]_2$ Thin Film Catalyst, 1930C
Walt, D. R. See Kotal, A., 3631C
Wan, D.
—; Fu, Q.; Huang, J.: Synthesis of a Thermoresponsive Shell-Crosslinked 3-Layer Onion-Like Polymer Particle with a Hyperbranched Polyglycerol Core, 5652C
—; Li, Z.; Huang, J.: Synthesis of a New Type of Core–Shell Particle from Hyperbranched Polyglycerol, 5458C
Wan, X. See Zhao, Y.-F., 2666C
Wang, A. R.
—; Zhu, S.: Control of the Polymer Molecular Weight in Atom Transfer Radical Polymerization with Branching/Crosslinking, 5710C
Wang, B. See Ding, X. M., 1865P
Wang, B.-B
—; Zhang, X.; Jia, X.-R.; Li, Z.-C.; Ji, Y.; Wei, Y.: Self-Assembly of a New Class of Amphiphilic Poly(amidoamine) Dendrimers and Their Electrochemical Properties, 5512C
Wang, C. See Zhao, Y. Y., 2190P
Wang, C.-S. See Shieh, J.-Y., 671C
Wang, D.
—; Liu, Y.; Hong, C.-Y.; Pan, C.-Y.: Preparation and

Characterization of Novel Hyperbranched Poly(amido amine)s from Michael Addition Polymerizations of Trifunctional Amines with Diacrylamides, 5127C
—; See Zhang, S.-L., 1177P
Wang, D.-C. See Chou, H.-L., 1705P
Wang, D.-J. See Zhang, X.-Q., 2924P
Wang, F. See Wiles, K. B., 2964C
Wang, G.
—; Zhu, X.; Zhenping, C.; Zhu, J.: Azobenzene-Based Initiator for Atom Transfer Radical Polymerization of Methyl Methacrylate, 2358C
Wang, G.-B. See Zhang, S.-L., 1177P
Wang, H.
—; Li, Z.; Jiang, Z.; Liang, Y.; Wang, H.; Qin, J.; Yu, G.; Liu, Y.: Synthesis and Properties of New Orange Red Light-Emitting Hyperbranched and Linear Polymers Derived from 3,5-Dicyano-2,4,6-tristyrylpyridine, 493C
—; See Das, N. C., 3519P; Seno, M., 2013C; Wang, H., 493C
Wang, J. See Jiang, G., 5554C; Wang, W., 2650C; Xu, J., 3986C
Wang, J.-L.
—; Wang, L.; Dong, C.-M.: Synthesis, Crystallization, and Morphology of Star-Shaped Poly(ϵ-caprolactone), 5449C
—; See Wang, L., 4721C
Wang, K.
—; Liang, S.; Zhang, Q.; Du, R.; Fu, Q.: An Observation of Accelerated Exfoliation in iPP/Organoclay Nanocomposite as Induced by Repeated Shear during Melt Solidification, 2005P
Wang, K. H. See Koo, C. M., 158P
Wang, L.
—; Meng, Y. Z.; Wang, S. J.; Li, X. H.; Xiao, M.: Synthesis and Properties of Sulfonated Poly(arylene ether) Containing Tetraphenylmethane Moieties for Proton-Exchange Membrane, 6411C
—; Wang, J.-L.; Dong, C.-M.: Supramolecular Inclusion Complexes of Star-Shaped Poly(ϵ-caprolactone) with α-Cyclodextrin, 4721C
—; See Jiang, G., 5554C; Li, G. Z., 355C; Wang, J.-L., 5449C; Wang, W., 2650C
Wang, L.-Y. See Cheng, K.-C., 42C; Lee, C.-F., 342C
Wang, M.
—; Wood, J.; Drews, M. J.: Utilization of Moiré Interferometry to Study Strain Transfer Across Polymer Interfaces Within Multilayer Thermoplastic Elastomers, 2196P
—; See Qin, X., 4469C; Rong, W., 2243P
Wang, N.
—; Li, Y.; Lu, F.; Liu, Y.; He, X.; Jiang, L.; Zhuang, J.; Li, X.; Li, Y.; Wang, S.; Liu, H.; Zhu, D.: Fabrication of Novel Conjugated Polymer Nanostructure: Porphyrins and Fullerenes Conjugately Linked to the Polyacetylene Backbone as Pendant Groups, 2851C
Wang, P.-C.
—; Lee, C.-F.; Young, T.-H.; Lin, D.-T.; Chiu, W.-Y.: Preparation and Clinical Application of Immunomagnetic Latex, 1342C
—; See Cheng, K.-C., 42C
Wang, Q.
—; Li, L.; Fan, Z.: Effect of Alkylaluminum on Ethylene Polymerization Catalyzed by 2,6-Bis(imino)pyridyl Complexes of Fe(II), 1599C
—; Liu, P.: Dual Bimodal Polyethylene Prepared by Intercalated Silicate with Nickel Diimine Complex, 5506C
—; See Li, K., 6007C
Wang, S. See Wang, N., 2851C; Yin, J., 1914P
Wang, S. J. See Wang, L., 6411C
Wang, S.-J. See Qiao, W.-Q., 3067C; Si, Q.-F., 1883C
Wang, W.
—; Wang, L.; Wang, J.; Wang, J.; Ma, Z.: Novel Polystyrene-Supported Zirconocene Catalyst for Olefin Polymerization and Its Catalytic Kinetics, 2650C
Wang, X.
—; Zhang, H.; Chen, E.; Wang, Xiayu.; Zhou, Q.: Influence of Molecular Weight on Liquid Crystalline Behavior of Linear and Star Mesogen-Jacketed Liquid Crystal Polymers, 3232C
—; Zhang, H.; Shi, M.; Wang, X.; Zhou, Q.: Synthesis of a Novel Liquid Crystal Rod–Coil Star Block Copolymer Consisting of Poly(methyl methacrylate) and Poly via Atom Transfer Radical Polymerization, 733C
—; See Guan, G., 4771C; Porbeni, F. E., 2086P; Qin, X., 4469C; Si, Q.-F., 1883C; Uyar, T., 2578P; Wang, X., 733C; Xu J., 2892C; Zhang, W., 2632C
Wang, X.-H. See Guan, G., 4771C
Wang, X.-L. See Huang, F.-Y., 2298C
Wang, Y. See Zhao, B., 3966C
—; Bhattacharya, M.; Mano, J. F.: Thermal Analysis of the Multiple Melting Behavior of Poly(butylene succinate-*co*-adipate), 3077P
Wang, Y.-J.
—; Pan, Y.: $Li_{1.3}Al_{0.3}Ti_{1.7}(PO_4)_3$ Filler Effect on (PEO) $LiClO_4$ Solid Polymer Electrolyte, 743P
Wang, Y.-Z. See Huang, F.-Y., 2298C
Wang, Z. See Li, G., 4012C; Yu, Y., 6105C; Zhang, X., 4857C
Wang, Z. F. See Ding, X. M., 1865P
Wanke, S. E. See Wu, L., 2248C
Ward, T. C. See Viswanathan, K., 3655C
Watabe, Y.
—; Hosoya, K.; Tanaka, N.; Kubo, T.; Kondo, T.; Morita, M.: Shielded Molecularly Imprinted Polymers Prepared with a Selective Surface Modification, 2048C
—; See Kubo, T., 2112C
Watanabe, H. See Matsuda, Y., 1401P; Yoshida, T., 2712C
Watanabe, J. See Inoue, Y., 6073C
Watanabe, M.
—; Striped-Pattern Formation of a Thin Gold Film Deposited onto a Stretched Elastic Silicone Substrate, 1532P
—; See Miyatake, K., 1741C; Yasuda, T., 4439C
Watanabe, T. See Mori, T., 1569C

Watanabe, Y.
—; Fukukawa, K.-I.; Shibasaki, Y.; Ueda, M.: Three-Component Negative-Type Photosensitive Polyimide Precursor Based on Poly(amic acid), a Crosslinker, and a Photoacid Generator, 593C
Watase, M. See Itagaki, H., 680P
Waymouth, R. M. See Hung, J., 3840C
Weber, W. P. See Gädda, T. M., 2155C, 3007C; Lee, N. S., 6146C
Wegrzyn, J. K.
—; Stephan, T.; Lau, R.; Grubbs, R. B.: Preparation of Poly (ethylene oxide)-*block*-poly (isoprene) by Nitroxide-Mediated Free Radical Polymerization from PEO Macroinitiators, 2977C
Wei, H.
—; Zhang, A.-Y.; Qian, L.; Yu, H.; Hou, D.; Qiu, R.; Feng, Z.-G.: Supramolecular Structured Hydrogel Preparation Based on self-Assemblies of Photocurable Star-Shaped Macromers with α−Cyclodextrins, 2941C
Wei, K.-H. See Li, C.-P., 534C; Yeh, S.-W., 1220P
Wei, P. See Li, Q., 2548P
Wei, Y. See Wang, B.-B., 5512C; Zhao, Y. Y., 2190P
Weidisch, R. See Lach R., 429P
Weigley, M. I. See Goodman, C. C., 2657C
Weiser, M.-S.
—; Mülhaupt, R.: Cobalt(II) Octanoate and Cobalt(II) Perfluorooctanoate Catalyzed Atom Transfer Radical Polymerization of Styrene in Toluene and Fluorous Media–A Versatile Route to Catalyst Recycling and Oligomer Formation, 3804C
Weng, J.
—; Zhang, Q.: Synthesis and Nickel Coordination Properties of Cyclen Substituted with Mixed Stilbene/Poly(ethylene glycol) Dendritic Arms, 5414C
Weng, L.-T. See Liu, S., 1924P
Wenti, K. See Youbing, L., 13P
Wenzel, M. See Holst, M., 2314P
Weon, J.-I.
—; Xia, Z.-Y.; Sue, H.-J.: Morphological Characterization of Nylon-6 Nanocomposites Following a Large-Scale Simple Shear Process, 3555P
Wesdemiotis, C. See Wollyung, K. M., 946C
Weston, J. L. See Rajan, G. S., 1475P
White, C. C.
—; Vanlandingham, M. R.; Drzal, P. L.; Chang, N.-K.; Chang, S.-H.: Viscoelastic Characterization of Polymers Using Instrumented Indentation. II. Dynamic Testing, 1812P
—; See Vanlandingham, M. R., 1794P
White, J. L. See Porbeni, F. E., 2086P
Whiting, A. See Chen, B., 1785P
Whitney, R. A. See Parent, J. S., 5671C
Whittaker, M. R. See Goh, Y.-K., 5232C
Wiles, K. B.
—; Wang, F.; McGrath, J. E.: Directly Copolymerized Poly(arylene sulfide sulfone) Disulfonated Copolymers for PEM-Based Fuel Cell Systems. I. Sythesis and Characterization, 2964C
Willem, R. See Angiolini, L., 3091C
Willemse, R. X. E. See Donkers, E. H. D., 2536C
Willert-Porada, M. See Bauer, F., 786P
Williams, I. D. See Lai, L. M., 3701C
Williams, R. J. J. See Bianchini, D., 5465C
Williamson, D. T.
—; Kilian, L.; Long, T. E.: Influence of Tertiary Diamines on the Synthesis of High-Molecular-Weight Poly (1,3-cyclohexadiene), 1216C
Willumeit, R. See de A. Prado, Luis, A. S., 2981P
Winey, K. I. See Benetatos, N. M., 3549P
Winnik, M. A. See Oh, J. K., 5632C; Wu, J., 5581C
Wise, K. E. See McLachlan, D. S., 3273P
Wittich, H. See de A. Prado, Luis, A. S., 2981P
Wollyung, K. M.
—; Wesdemiotis, C.; Nagy, A.; Kennedy, J. P.: Synthesis and Mass Spectrometry Characterization of Centrally and Terminally Amine-Functionalized Polyisobutylenes, 946C
Wolszczak, M. See Danko, M., 4586C
Wong, S. P. See Lam, T. Y., 2334P
Wong, S.-S.
—; Altinkaya, S. A.; Mallapragada, S. K.: Understanding the Effect of Skin Formation on the Removal of Solvents from Semicrystalline Polymers, 3191P
Wong, W. T. See Tse, C. W., 1292C
Woo, E. M.
—; Wu, M. C.: Thermal and X-Ray Analysis of Polymorphic Crystals, Melting, and Crystalline Transformation in Poly(butylene adipate), 1662P
Wood, J. See Wang, M., 2196P
Wool, R. P.
—; Rigidity Percolation Model of Polymer Fracture, 168P
Wooley, K. L. See Cheng, C., 4754C
Wooster, T. J.
—; Abrol, S.; Hey, J. M.; Macfarlane, D. R.: The Synthesis of Novel Aliphatic Bis(acenaphthelene) Reactive Monomers, 5072C
Wu, C. See Lee, P. P. S., 837C; Zhang, X., 5944C
Wu, C.-S.
—; Tsai, S.-H.; Liu, Y.-L.: One-Pot Synthesis of Linear and Branched Poly(amide aspartimide)s with Good Solubility in Organic Solvents, 1923C
—; See Liu, Y.-L., 5787C
Wu, C.-S.
—; Synthesis of Polyethylene-Octene Elastomer/SiO_2-TiO_2 Nanocomposites via *In Situ* Polymerization: Properties and Characterization of the Hybrid, 1690C
Wu, C.-W. See Wu, T.-M., 2745P
Wu, D.
—; Zhou, C.; Yu, W.; Fan, X.: Effect of Flocculated Structure on Rheology of Poly(butylene terephthalate)/Clay Nanocomposites, 2807P
Wu, F.-I. See Su, H.-J., 859C; Tseng, Y.-H., 5147C
Wu, G. See Tai, X., 184P

Wu, H.
—; Guo, S.; Li, Z.: Effects of Ultrasonic Oscillations on Linear Visoelastic Behaviors of Metallocene-Catalyzed Linear Low Density Polyethylene and Its Blends with Low Density Polyethylene, 3030P
—; Guo, S.; Li, Z.: Molecular Structure Development of Metallocene-Catalyzed Linear Low Density Polyethylene Under Ultrasonic Irradiation, 2121P
Wu, H.-L.
—; Yang, Y.-T.; Ma, C.-C. M.; Kuan, H.-C.: Molecular Mobility of Free-Radical-Functionalized Carbon-Nanotube/Siloxane/Poly(urea urethane) Nanocomposites, 6084C
Wu, J.
—; Thio, Y. S.; Bates, F. S.: Structure and Properties of PBO-PEO Diblock Copolymer Modified Epoxy, 1950P
—; Tomba, J. P.; Oh, J. K.; Winnik, M. A.; Farwaha, R.; Rademacher, J.: Synthesis of Dye-Labeled Poly(vinyl acetate-*co*-ethylene) (EVA) Latex and Polymer Diffusion in their Latex Films, 5581C
—; See Arleth, L., 849P
Wu, J.-Y.
—; Wu, T.-M.; Chen, W.-Y.; Tsai, S.-J.; Kuo, W.-F.; Chang, G.-Y.: Preparation and Characterization of PP/Clay Nanocomposites Based on Modified Polypropylene and Clay, 3242P
Wu, L.
—; Bu, N.; Wanke, S. E.: Kinetic Behavior of Ethylene/1-Hexene Copolymerization in Slurry and Solution Reactors, 2248C
—; See Xiong, M., 637P
Wu, M. C. See Woo, E. M., 1662P
Wu, Q. See Bao, F., 5535C; Zou, H., 1325C
Wu, T.-H. See Lai, S.-M., 2207P
Wu, T.-L. See Yeh, S.-W., 1220P
Wu, T.-M.
—; Wu, C.-W.: Surface Characterization and Properties of Plasma-Modified Cyclic Olefin Copolymer/Layered Silicate Nanocomposites, 2745P
—; See Wu, J.-Y., 3242P
Wu, Y.
—; Seo, T.; Maeda, S.; Sasaki, T.; Irie, S.; Sakurai, K.: Circular Dichroism Induced by the Helical Conformations of Acylated Chitosan Derivatives Bearing Cinnamate Chromophores, 1354P
—; See Shi, Y., 203C
Wu, Y.-P. See Liang, Y.-R., 2653P
Wu, Z. P. See Zhang, T., 2417C
Wu, Z. W. See Zhang, S.-L., 1177P
Wunderlich, B. See Pyda, M., 2141P
Würthner, F. See Dobrawa, R., 4981C
Wutticharoenmongkol, P.
—; Supaphol, P.; Srikhirin, T.; Kerdcharoen, T.; Osotchan, T.: Electrospinning of Polystyrene/poly(2-methoxy-5-(2′-ethylhexyloxy)-1,4-phenylene vinylene) Blends, 1881P

Xi, F. See Cheng, C.-X., 2291C; Tang, R., 3126C
Xi, J. See Cui, M., 2476C; Ma, X., 3575P
Xia, X. See Arleth, L., 849P
Xia, Z.-Y. See Weon, J.-I., 3555P
Xiang, H.
—; Shin, K.; Kim, T.; Moon, S.; McCarthy, T. J.; Russell, T. P.: The Influence of Confinement and Curvature on the Morphology of Block Copolymers, 3377P
Xiao, H. See Li, J., 6345C
Xiao, M. See Wang, L., 6411C
Xiao, W.-Q. See Hu, J.-S., 4478C
Xiao, Y. See Liu, X., 2694P
Xie, H. See Zhang, X., 4857C
Xie, T.
—; Liu, H.; Ou, Y.; Yang, G.: Synergistically Toughening High-Density Polyethylene with Calcium Carbonate and Elastomer, 3213P
Xie, Y.-C. See Qiao, W.-Q., 3067C
Xie, Z.-G. See Guan, G., 4771C
Xin, Z.
—; Ding, Y.; Yin, J.; Ke, Z.; Xu, X.; Gao, Y.; Costa, G.: Preparation and Physical Properties of Novel Nonionic Surfactants and Their Grafting Copolymers with Linear Low Density Polyethylene (LLDPE), 314P
Xing, C.-M.
—; Yang, W.-T.: Stabilizer-Free Dispersion Copolymerization of Maleic Anhydride and Vinyl Acetate. I. Effects of Principal Factors on Microspheres, 3760C
Xiong, M.
—; Zhou, S.; You, B.; Wu, L.: Trialkoxysilane-Capped Acrylic Resin/Titania Organic-Inorganic Hybrid Optical Films Prepared by the Sol-Gel Process, 637P
Xiong, Q. See Zhang, F., 2931C
Xu, D.-F. See Zhang, X.-Q., 2924P
Xu, G.
—; Zhao, Y.; Shi, W.: Properties and Morphologies of UV-Cured Expoy Acrylate Blend Films Containing Hyperbranched Polyurethane Acrylate/Hyperbranched Polyester, 3159P
Xu, H. See Liao, M., 1344P
Xu, J.
—; Li, X.; Liu, J.; Wang, X.; Peng, Q.; Li, Y.: Solution Route to Inorganic Nanobelt-Conducting Organic Polymer Core-Shell Nanocomposites, 2892C
—; Nie, G.; Zhang, S.; Han, X.; Hou, J.; Pu, S.: Electrosyntheses of Freestanding Polyindole Films in Boron Trifluoride Diethyl Etherate, 1444C
—; Zhou, W.; Hou, J.; Pu, S.; Yan, L.; Wang, J.: Electrosyntheses of High-Quality Poly (5-nitroindole) Films in Boron Trifluoride Diethyl Etherate Containing Additional Diethyl Ether, 3986C
—; See Holst, M., 2314P; Li, B., 378P; Toh, C. L., 4731C; Yu, T., 3127P
Xu, T.
—; Farris, R. J.: Shapeable Matrix-Free Spectra ® Fiber-Reinforced Polymeric Composites via High-Temperature High-Pressure Sintering: Process-Structure-Property Relationship, 2767P
Xu, W.
—; Zhu, X.; Cheng, Z.; Chen, G.; Zhu, J.: Polymerization of Styrene with Teramethylthiuram Disulfide as an Initiator in the

Presence of 2,2,6,6-Tetramethyl-1-piperidinyloxy, 543C
Xu, X.
—; Ding, X.; Ling, L.; Burgess, J. O.: Synthesis and Characterization of Novel Fluoride-Releasing Monomers. II. Dimethacrylates Containing Bis(aminodiacetic acid) and their Ternary Zirconium Fluoride Complexes, 3153C
—; See Xin, Z., 314P
Xu, X. F. See Sun, S. L., 2170P; Tan, Z. Y., 2715P
Xu, X.-Y. See Guan, H.-L., 1144C
Xu, Y. See Yu, W., 2534P
Xu, Z. K. See Guo, S. S., 2972P
Xu, Z.-S.
—; Deng, Z.-W.; Hu, X.-X.; Li, L.; Yi, C.-F.: Monodisperse Polystyrene Microspheres Prepared by Dispersion Polymerization with Microwave Irradiation, 2368C
Xue, C. See Zong, Z., 1607C
Xue, G. See Yu, Y., 6105C
Xue, M. Z. See Li, Z. H., 5207C
Xueqin, G. See Youbing, L., 13P

Yade, T. See Nakano, T., 1150C
Yagci, Y. See Cianga, L., 479C; Yurteri, S., 879C
Yakushev, P. N. See Bershtein, V. A., 3261P
Yalcin, B.
—; Cakmak, M.: Molecular Orientation Behavior of Poly(vinyl chloride) as Influenced by the Nanoparticles and Plasticizer during Uniaxial Filom Stretching in the Rubbery Stage, 724P
Yamada, K. See Tsuji, H., 1064P
Yamada, M. See Tokumitsu, K., 2259P
Yamada, O. See Yin, Y., 1545C
Yamada, T. See Seno, M., 2013C
Yamaguchi, K. See Busfield, J. J. C., 1649P; Saito, R., 6262C
Yamaguchi, T.
—; Komoriyama, K.; Ohkoshi, Y.; Urakawa, H.; Gotoh, Y.; Terasawa, N.; Nagura, M.; Kajiwara, K.: Online Wide-Angle X-Ray Diffraction/Small-Angle X-Ray Scattering Measurements for the CO_2 Laser-Heated Drawing of Poly(ethylene terephthalate) Fiber, 1090P
—; See Kai, T., 2068C
Yamaki, T. See Chen, J., 2843P
Yamamoto, K.
—; Dendrimer Complexes: Fine Control of Metal Assembly in Macromolecules, 3719C
Yamamoto, S.-I.
—; Kawabata, K.; Moriya, O.; Endo, T.: Effective Fixation of Carbon Dioxide into Poly(glycidyl methacrylate) in the Presence of Pyrrolidone Polymers, 4578C
—; Morita, H.; Hayashi, S.; Moriya, O.: Alkali Metal Salt-Catalyzed Aldol Addition of Dimethylsilyl Enolate on a Polyether Structure, 2075C
Yamamoto, T.
—; Mahmut, A.; Abe, M.; Kuroda, S.-I.; Imase, T.; Sasaki, S.: Alternating Copolymer of Thiophene and *N*-(Phenylethynyl)Pyrrole. New π-Conjugated Alternating Five-Membered Ring Copolymer and Its Packing Structure, 2219P
—; Yoshizawa, M.; Mahmut, A.; Abe, M.; Kuroda, S.-I.; Imase, T.; Sasaki, S.: Prepartion of New π-Conjugated Polypyrroles by Organometallic Polycondensations. Synthesis of *N*-BOC (*t*-Butoxycarbonyl) and *N*-Phenylethynyl Polymers, Thermal Deprotection of the BOC Group, and Packing Structure of the *N*-Phenylethynyl Polymer, 6223C
—; See Fukumoto, H., 215P
Yamamoto, Y. See Sivakumar, M., 1873P
Yamanaka, A.
—; Fujishiro, H.; Kashima, T.; Kitagawa, T.; Ema, K.; Izumi, Y.; Ikebe, M.; Nishijima, S.: Thermal Conductivity of High Strength Polyethylene Fiber in Low Temperature, 1495P
—; Yoshikawa, M.; Abe, S.; Tsutsumi, M.; Oohazama, T.; Kitagawa, T.; Fujishiro, H.; Ema, K.; Izumi, Y.; Nishijima, S.: Effects of Vapor-Phase-Formaldehyde Treatments on Thermal Conductivity and Diffusivity of Ramie Fibers in the Range of Low Temperature, 2754P
Yamanaka, K. See Teraguchi, M., 2348C
Yamane, S. See Narumi, A., 4373C
Yamashita, Y. See Kimura, K., 1624C; Kohama, S.-I., 1757C; Sugita, A., 3093P
Yamauchi, N. See Sasaki, T., 115P
Yamauchi, T. See Satoh, M., 600C
Yamazaki, R. See Iizuka, K., 2474P
Yan, D. See Cui, X., 2048P; Huang, W., 2038C; Jia, Z., 3502C, 6534C; Qing, S., 4363C
Yan, H.
—; Tian, G.; Sun, K.; Zhang, Y.; Zhang, Y.: Effect of Silane Coupling Agent on the Polymer-Filler Interaction and Mechanical Properties of Silica-Filled NR, 573P
Yan, L.
—; Yang, F.: Prediction and Phase Segregation in Thin-Film of Conjugated Polymer Blends, 1382P
—; See Xu, J., 3986C
Yang, C. See Chen, Z., 1332P; Lee, P. P. S., 837C
Yang, C.-H. See Chen, C.-H., 1465P
Yang, C.-P.
—; Hsu, M.-Y.: New Light-Colored Poly (ether imide)s Based on 2,5-Di-*tert*-butylhydroquinone Bis (ether anhydride) and Aromatic Diamines, 1270C
Yang, D. Y.
—; Hu, C. P.; Ying, S. K.: Preparation and Characterization of Waterborne Poly(urethane urea) with Well-Defined Hard Segments, 2606C
Yang, F. See Yan, L., 1382P
Yang, G. See Xie, T., 3213P
Yang, H. See Zhang, X., 4857C
Yang, I.-K.
—; Tsai, P.-H.: Rheological Characterization and Microphase-Separated Structure of a Poly(ether-block-amide) Segmented Block Copolymer, 2557P
Yang, J.
—; Yu, Y.; Li, Q.; Li, Y.; Cao, A.: Chemical Synthesis of Biodegradable Aliphatic Polyesters and Polycarbonates Catalyzed by

Novel Versatile Aluminum Metal Complexes Bearing Salen Ligands, 373C
—; See Martin, D. C., 1749P
Yang, J.-M. See Lee, R.-S., 1708C
Yang, K.-F. See Han, C.-C., 1767C
Yang, K.-K. See Huang, F.-Y., 2298C
Yang, L.
—; Luo, Y.; Li, B.: RAFT Miniemulsion Polymerization Targeting to Polymer of Hiigher Molecular Weight, 4972C
Yang, M. See Qin, H., 3713P
Yang, Q. B. See Zhao, Y. Y., 2190P
Yang, R.
—; Tian, R.; Hou, Q.; Zhang, Y.; Li, Y.; Yang, W.; Zhang, C.; Cao, Y.: Light-Emitting Copolymers Based on Fluorene and Selenophene—Comparative Studies with its Sulfur Analogue: Poly(fluorene-*co*-thiophene), 823C
—; See Li, X., 2325C
Yang, S.
—; Shim, S. E.; Choe, S.: Stable Poly(methyl methacrylate-*co*-divinylbenzene) Microspheres via Precipitation Polymerization, 1309C
—; See Jin, J. M., 5343C
Yang, S.-J.
—; Jang, W.; Lee, C.; Shul, Y. G.; Han, H.: The Effect of Crosslinked Networks with Poly(Ethylene Glycol) on Sulfonated Polyimide for Polymer Electrolyte Membrane Fuel Cell, 1455P
Yang, S.-P. See Shieh, J.-Y., 671C
Yang, W. See Li, X., 2325C; Yang, R., 823C
Yang, W.-T. See Xing, C.-M., 3760C
Yang, X. See Hua, F., 1119C; Qin, X., 4469C; Zhang, Y., 1261C
Yang, Y.-T. See Wu, H.-L., 6084C
Yano, S. See Obata, M., 2997C
Yao, C. See Li, H., 1312C
Yao, D.-S. See Hu, J.-S., 4478C
Yao, W.-H. See Yeh, J.-T., 511P
Yao, Y. See Li, H., 1312C; Zhou, L., 1778C
Yasuda, H. See Nakayama, Y., 3368C; Shirahama, H., 438C
Yasuda, T.
—; Miyatake, K.; Hirai, M.; Nanasawa, M.; Watanabe, M.: Synthesis and Properties of Polyimide Ionomers Containing Sulfoalkoxy and Fluorenyl Groups, 4439C
Yasuniwa, M.
—; Tsubakihara, S.; Satou, T.; Iura, K.: Multiple Melting Behavior of Poly (butylene succinate). II. Thermal Analysis of Isothermal Crystallization and Melting Process, 2039P
Ye, C. See Hua, J., 1317C
Yeganeh, H.
—; Lakouraj, M. M.; Jamshidi, S.: Synthesis and Characterization of Novel Biodegradable Epoxy-Modified Polyurethane Elastomers, 2985C
Yeh, J.-T.
—; Yao, W.-H.; Du, Q.; Chen, C.-C.: Blending and Barrier Properties of Blends of Modified Polyamide and Ethylene Vinyl Alcohol Copolymer, 511P
Yeh, K.-M. See Hsieh, B.-Y., 5009C
Yeh, S.-W.
—; Wu, T.-L.; Wei, K.-H.; Sun, Y.-S.; Liang, K. S.: Effect on Incorporated CdS Nanoparticles of the Crystallinity and Morphology of Poly(styrene-*b*-ethylene oxide) Diblock Copolymers, 1220P
Yeum, J. H. See Lyoo, W. S., 789C
Yi, C.-F. See Xu, Z.-S., 2368C
Yi, L.
—; Zhan, X.; Chen, F.; Du, F.; Huang, L.: Synthesis and Characterization of Poly[styrene-*b*-methyl(3,3,3-trifluoropropyl)siloxane] Diblock Copolymers via Anionic Polymerization, 4431C
Yi, Y. See Gao, L.-C., 5935C; Youbing, L., 13P; Zhao, Y.-F., 2666C
Yin, H. See Zhou, D., 4849C
Yin, J.
—; Wang, S.; Zhang, Y.; Zhang, Y.: Isothermal Crystallization Kinetics of PP in PP/$Mg(OH)_2$ Composites, 1914P
—; See Xin, Z., 314P; Zhang, R., 5529C
Yin, M.
—; Krause, T.; Messerschmidt, M.; Habicher, W. D.; Voit, B.: Nitroxide-Mediated Homo- and Block Copolymerization of Styrene and Multifunctional Acryl- and Methacryl Derivatives, 1873C
Yin, X.
—; Stöver, H. D. H.: Temperature-Sensitive Hydrogel Microspheres Formed by Liquid-Liquid Phase Transitions of Aqueous Solutions of Poly(*N,N*-dimethylacrylamide-*co*-allyl methacrylate), 1641C
Yin, Y.
—; Yamada, O.; Suto, Y.; Mishima, T.; Tanaka, K.; Kita, H.; Okamoto, K.-I.: Synthesis and Characterization of Proton-Conducting Copolyimides Bearing Pendant Sulfonic Acid Groups, 1545C
Ying, S. K. See Yang, D. Y., 2606C
Yokoe, M.
—; Aoi, K.; Okada, M.: Biodegradable Polymers Based on Renewable Resources. IX. Synthesis and Degradation Behavior of Polycarbonates Based on 1,4:3,6-Dianhydrohexitols and Tartaric Acid Derivatives with Pendant Functional Groups, 3909C
Yokogawa, M. See Gunji, T., 763C
Yokota, K.
—; Kohsaka, T.; Ito, K.; Ishihara, N.: Consideration of the Mechanism of Styrene/Ethylene Copolymerization with Half-Titanocene Catalysts, 5041C
Yokoyama, A. See Iwashita, K.-I., 4109C
Yokozawa, T. See Iwashita, K.-I., 4109C; Niimi, L., 5440C
Yonetani, K. See Yoshikawa, M., 385C
Yongheng, L. See Youbing, L., 13P
Yoon, H.-S. See Hong, J.-T., 2790C
Yoon, J. See Kim, J.-S., 4079C
Yoon, J.-S. See Chen, G.-X., 817P

Yoon, J.-X. See Chen, G.-X., 478P

Yoshida, A. See Teraguchi, M., 2348C

Yoshida, M. See Chen, J., 2843P

Yoshida, T.
—; Doi, M.; Kanaoka, S.; Aoshima, S.: Polymer Surface Modification Using Diblock Copolymers Containing Azobenzene, 5704C
—; Kanaoka, S.; Aoshima, S.: Living Cationic Polymerization of Azobenzene-Containing Vinyl Ether and Its Photoresponsive Behavior, 5138C
—; Kanaoka, S.; Aoshima, S.: Photo-Responsive Copolymers with Azobenzene Side Groups Synthesized by Living Cationic Polymerization: Efficient Amplification of Photosensitivity in Aqueous Photo-Switching System, 5337C
—; Kanaoka, S.; Aoshima, S.: Photosensitive Copolymers with Various Types of Azobenzene Side Groups Synthesized by Living Cationic Polymerization, 4292C
—; Kanaoka, S.; Watanabe, H.; Aoshima, S.: Stimuli-Responsive Reversible Physical Networks. II. Design and Properties of Homogeneous Physical Networks Consisting of Periodic Copolymers Synthesized by Living Cationic Polymerization, 2712C
—; Kanazawa, A.; Kanaoka, S.; Aoshima, S.: Instant Living Cationic Polymerization Using $SnCl_4$/$EtAlCl_2$ with a Weak Lewis Base: Ultrafast Polymerization in Seconds, 4288C
—; Seno, K.-I.; Kanaoka, S.; Aoshima, S.: Stimuli-Responsive Reversible Physical Networks. I. Synthesis and Physical Network Properties of Amphiphilic Block and Random Copolymers with Long Alkyl Chains by Living Cationic Polymerization, 1155C
—; Tsujino, T.; Kanaoka, S.; Aoshima, S.: Fast Living Cationic Polymerization Accelerated by $SnCl_4$. I. New Base-Stabilized Living System for Various Vinyl Ethers with $SnCl_4$/$EtAlCl_2$, 468C

Yoshihara, M. See Nishikubo, T., 2028C

Yoshii, K., See Ochiai, B., 1014C

Yoshikawa, M.
—; Koso, K.; Yonetani, K.; Kitamura, S.; Kimura, S.: Optical Resolution of Racemic Amino Acid Derivatives with Molecularly Imprinted Membranes Bearing Oligopeptide Tweezers, 385C
—; See Yamanaka, A., 2754P

Yoshimizu, H. See Mhesh, K. P. O., 2380P; Sivakumar, M., 1873P

Yoshimoto, S.
—; Ohashi, F.; Kameyama, T.: Characterization and Thermal Degradation Studies on Polyaniline-Intercalated Montmorillonite Nanocomposites Prepared by a Solvent-Free Mechanochemical Route, 2705P

Yoshizawa, M. See Yamamoto. T., 6223C

You, B. See Xiong, M., 637P

You, H. See Kim, Y.-H., 6515C

You, Y.-Z. See Hong, C.-Y., 6379C

Youbing, L.
—; Yongheng, L.; Xueqin, G.; Yi, Y.; Wenti, K.; Kaizhi, S.: Structure and Properties of Polyethylene Prepared via Low-Frequency Vibration-Assisted Injection Molding, 13P

Youk, J. H. See Hong, J. H., 3171P

Young, T.-H. See Wang, P.-C., 1342C

Yousi, Z. See Jianying, H., 5246C

Yu, F. See Ren, S., 6554C

Yu, G. See Huang, B., 4517C; Wang, H., 493C

Yu, H. See Jiang, G., 5554C; Shen, D., 4099C; Wei, H., 2941C

Yu, J. See Zeng, Z., 2826C

Yu, L. See An, Q., 1973C

Yu, Q. See Cai, J., 2885P

Yu, T.
—; Lin, J.; Xu, J.; Ding, W.: Nanocomposites of Vinyl Chloride–Acrylonitrile Copolymer and Silica, 3127P

Yu, T. L. See Lin, H.-L., 3044P

Yu, W.
—; Zhou, C.; Xu, Y.: Rheology of Concentrated Blends with Immiscible Components, 2534P
—; See Wu, D., 2807P

Yu, X.
—; Chen, Y.; Pan, C.; Di, Y.; Zhang, J.: Solid-State Polymerization of 2,3,6,10,11-Hexa(methacrylate) Triphenylene, 1526C

Yu, Y.
—; Ouyang, C.; Gao, Y.; Si, Z.; Chen, W.; Wang, Z.; Xue, G.: Synthesis and Characterization of Carbon Nanotube/Polypyrrole Core–Shell Nanocomposites via *In Situ* Inverse Microemulsion, 6105C
—; See Rong, W., 2243P; Yang, J., 373C

Yu, Y.-J. See Tung, N. T., 742C

Yu, Z. See Zhang, F., 2931C

Yu, Z.-Z.
—; Hu, G.-H.; Varlet, J.; Dasari, A.; Mai, Y.-W.: Water-Assisted Melt Compounding of Nylon-6/Pristine Montmorillonite Nanocomposites, 1100P

Yuan, Q.
—; Jiang, W.; An, L.; Li, R. K. Y.: Effects of Filler Size and Heat Treatment on the Crystallization Behavior of Glass Bead-Filled Polypropylene, 306P

Yuan, X. See Liu, X., 2694P

Yuki, Y. See Takagi, K., 2119C

Yurteri, S.
—; Cianga, I.; Demirel, A. L.; Yagci, Y.: New Polyphenylene-*g*-Polystyrene and Polyphenylene-*g*-Polystyrene/Poly(ϵ-caprolactone) Copolymers by Combined Controlled Polymerization and Cross-Coupling Processes, 879C

Yusa, S.-I. See Inoue, Y., 6073C

Zakharov, V. A. See Mikenas, T. B., 2128C

Zaleski, J. M. See Chipara, M., 3432P, 3406P

Zamora, F.
—; Hakkou, K.; Alla, A.; Espartero, J. L.; Muñoz-Guerra, S.; Galbis, J. A.: Aromatic Homo- and Copolyesters from Naturally Occurring Monosaccharides: PET and PEI Analogs Derived from L-Arabinitol and Xylitol, 6394C
—; Hakkou, K.; Alla, A.; Rivas, M.; Roffé, I.; Mancera, M.; Muñoz-Guerra, S.; Galbis, J. A.: Aromatic Polyesters from Naturally Occurring Monosaccharides: Poly(ethylene terephthalate) and Poly(ethylene isophthalate) Analogs Derived from D-Mannitol and Galactitol, 4570C
Zang, Z. See Li, G., 4012C
Zednik, J. See Nakazato, A., 4530C
Zeng, Z.
—; Yu, J.; Guo, Z.-X.: Preparation of Polymer/Silica Composite Nanoparticles Bearing Carboxyl Groups on the Surface via Emulsifier-Free Emulsion Copolymerization, 2826C
Zetta, L. See Cappelli, A., 3289C
Zhai, M. See Wach, R. A., 505C
Zhan, M.-S. See Lu, Y.-H., 2154P, 3621P
Zhan, X. See Yi, L., 4431C
Zhang, A.-Y. See Wei, H., 2941C
Zhang, B.-Y. See Hu, J.-S., 3315C, 4478C
Zhang, C.
—; Ochiai, B.; Endo, T.: Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry Study on Copolymers Obtained by the Alternating Copolymerization of Bis(γ-lactone) and Epoxide with Potassium *tert*-Butoxide, 2643C
—; See Thomas, S., 4280C; Yang, R., 823C
Zhang, D. See Liu, X., 2694P
Zhang, F.
—; Ni, P.; Xiong, Q.; Yu, Z.: Reversible Addition—Fragmentation Chain Transfer/Miniemulsion Polymerization of Butyl Methacrylate in the Presence of β-Cyclodextrin, 2931C
Zhang, H. See Ren, M., 553P, 3231P; Song, J., 2326P, 3222P; Wang, X., 733C; Wang, Xinghu., 3232C
Zhang, H. F. See Ren, M., 3231P
Zhang, H. F. See Song, J., 3222P
Zhang, H. X. See Sun, S. L., 2170P; Tan, Z. Y., 2715P
Zhang, J.
—; Liu, C.; Shi, G.; Zhao, Y.: Theoretical and Experimental Studies on the Raman Spectra of Electrosynthesized Polynaphthalene, 241P
—; See Jiang, L., 2683P; Yu, X., 1526C; Zhang, R., 5529C; Zhang, Y., 1261C
Zhang, K. See Jian, C., 2625C; Zhou, H., 2567C
Zhang, L.
—; Li, C.; Huang, R.: Toughness Mechanism of Polypropylene/Elastomer/Filler Composites, 1113P
—; See Cao, X., 603P; Chen, Z., 1332P; Shen, Y., 223P
Zhang, L.-Q. See Liang, Y.-R., 2653P
Zhang, M.
—; Müller, A. H. E.: Cylindrical Polymer Brushes, 3461C
Zhang, M. Z. See Fang, F., 3255P
Zhang, P. See Liu, Q., 2615C
Zhang, P.-B. See Guan, H., 4771C
Zhang, Q. See Wang, K., 2005P; Weng, J., 5414C
Zhang, R.
—; Zhu, Y.; Zhang, J.; Jiang, W.; Yin, J.: Effect of the Initial Maleic Anhydride Content on the Grafting of Maleic Anhydride onto Isotactic Polypropylene, 5529C
Zhang, S. See Feng, Y., 4819C; Qin, H., 3713P; Xu, J., 1444C
Zhang, S.-L
—; Wang, G.-B.; Jiang, Z.-H.; Wang, D.; Ma, R.-T.; Wu, Z.-W.: Impact Properties, Phase Structure, Compatibility, and Fracture Morphology of Polyamide-1010/Thermoplastic Poly(ester urethane) Elastomer Blends, 1177P
Zhang, T.
—; Cai, Q.; Wu, Z. P.; Li, C. Q.; Jin, R. G.: Nucleophilic Cosubstitution of Poly(dichlorophosphazene) with Alkyl Ether and Amino Acid Ester, 2417C
Zhang, W.
—; Zhu, X.; Zhou, D.; Wang, X.; Zhu, J.: Reversible Addition–Fragmentation Chain Transfer Polymerization of 2-Naphthyl Acrylate with 2-Cyanoprop-2-yl 1-Dithionaphthalate as a Chain-Transfer Agent, 2632C
Zhang, X.
—; Chen, S.; Li, H.; Zhang, Z.; Lu, Y.; Wu, C.; Hu, Y.: Highly Active Copolymerization of Ethylene with 10-Undecen-1-ol Using Phenoxy-Based Zirconium/Methylaluminoxane Catalysts, 5944C
—; Yang, H.; Liu, Q.; Zheng, Y.; Xie, H.; Wang, Z.; Cheng, R.: Synthesis and Characterization of Biodegradable Triblock Copolymers Based on Bacterial Poly[*(R)*-3-hydroxybutyrate] by Atom Transfer Radical Polymerization, 4857C
—; See Cai, J., 2885P; Ren, M., 553P; Wang, B.-B., 5512C
Zhang, X.-Q.
—; Zhao, Y.; Shi, H.-F.; Dong, X.; Wang, D.-J.; Han, C. C.; Xu, D.-F.: Conformational Variation and Crystalline Phase Transformation of Low Syndiotactic Polypropylene Films in Stretched and Stress-Relaxed States, 2924P
Zhang, X.-Z.
—; Chu, C.-C.; Zhuo, R.-X.: Using Hydrophobic Additive as Pore-Forming Agent to Prepare Macroporous PNIPAAm Hydrogels, 5490C
Zhang, Y.
—; Huang, J.; Yang, X.; Zhang, J.; Qian, Y.: Some Mixed Cyclopentadienyl-Indenyl Zirconium Complexes with $PhCH_2$ or $PhCH_2CH_2$ Substituents in Ethylene Polymerization, 1261C
—; See Huang, Z.-M., 2852P; Li, X., 2325C; Yan, H., 573P; Yang, R., 823C; Yin, J., 1914P
Zhang, Y. M. See Li, Z. H., 5207C
Zhang, Z.
—; Cui, N.; Lu, Y.; Ke, Y.; Hu, Y.: Preparation of Linear Low-Density Polyethylene by the *In Situ* Copolymerization of Ethylene with an Iron Oligomerization Catalyst and *rac*-Ethylene bis(indenyl) Zirconium (IV) Dichloride, 984C
—; See Zhang, X., 5944C
Zhao, B.
—; Wang, Y.; Lu, C.; Shen, Q.; Deng, M.: Polymerization of

N-Phenyl Maleimide by Lanthanide Complexes, 3966C

Zhao, C.-Q. See Han, L.-B., 5328C

Zhao, D. See Li, B., 378P

Zhao, H
—; Sanda, F.; Masuda, T.: Synthesis and Helical Conformation of Poly (*N*-propargylamides) Carrying L-Aspartic Acid in the Side Chain, 5168C

Zhao, H.
—; Li, R. K. Y.: Crystallization, Mechanical, and Fracture Behaviors of Spherical Alumina-Filled Polypropylene Nanocomposites, 3652P

Zhao, J. See Qiao, C., 1303P; Zhu, J., 2874P

Zhao, L.
—; Kai, W.; He, Y.; Zhu, B.; Inoue, Y.: Effect of Aging on Fractional Crystallization of Poly(Ethylene oxide) Component in Poly(Ethylenne oxide)/Poly(3-hydroxybutyrate) Blends, 2665P

Zhao, X.
—; Niu, Y.; Hu, X.: Photochemical Control of Photoluminescence Property of Photoactive Polythiophenes, 1421P
—; See Ma, X., 3575P

Zhao, X.-Z. See Guo, S. S., 2972P

Zhao, Y. See Xu, G., 3159P; Zhang, J., 241P; Zhang, X.-Q., 2924P

Zhao, Y.-B. See Liu, Y.-Y., 3516C

Zhao, Y.-F.
—; Yi, Y.; Fan, X.; Chen, X.; Wan, X.; Zhou, Q.-F.: Copolymers of 2,5-bis[(4-methoxyphenyl) oxycarbonyl]-styrene with Styrene and Methyl Methacrylate: Synthesis, Monomer Reactivity Ratios, Thermal Properties, and Liquid Crystalline Behavior, 2666C

Zhao, Y. Y.
—; Yang, Q. B.; Lu, X. F.; Wang, C.; Wei, Y.: Study on Correlation of Morphology of Electrospun Products of Polyacrylamide with Ultrahigh Molecular Weight, 2190P

Zhao, Z.-X. See Hu, J.-S., 3315C

Zheng, Q. See Song, Y., 2484P

Zheng, S. See Cui, M., 2476C; Lü, H., 359P; Nie, K., 2594P

Zheng, X. See Smit, M., 2734C

Zheng, Y. See Liu, X., 1997P; Zhang, X., 4857C

Zheng, Z.-J. See Chen, J., 1562C

Zhenping, C. See Wang, G., 2358C

Zhou, A.-J. See Hu, J.-S., 3315C

Zhou, C. See Sun, S. L., 2170P; Tan, Z. Y., 2715P; Wu, D., 2807P; Yu, W., 2534P

Zhou, D.
—; Zhu, X.; Zhu, J.; Yin, H.: Influence of the Chemical Structure of Dithiocarbamates with Diffrent *N*-Groups on the Reversible Addition–Fragmentation Chain Transfer Polymerization of Styrene, 4849C
—; See Zhang, W., 2632C

Zhou, H.
—; Jiang, J.; Zhang, K.: *N*-Bromosuccinimide as a Thermal Iniferter for Radical Polymerization, 2567C
—; See Miyatake, K., 1741C

Zhou, L.
—; Sun, H.; Chen, J.; Yao, Y.; Shen, Q.: Homoleptic Lanthanide Guanidinate Complexes: The Effective Initiators for the Polymerization of Trimethylene Carbonate and Its Copolymerization with ϵ-Caprolactone, 1778C
—; See Li, Z. H., 5207C

Zhou, Q. See Huang, F.-Y., 2298C; Wang, X., 733C, 3232C

Zhou, Q.-F. See Gao, L.-C., 5935C; Zhao, Y.-F., 2666C

Zhou, S. See Xiong, M., 637P

Zhou, W. See Xu, J., 3986C

Zhou, X. See Chen C., 35P

Zhou, X.-M.
—; Jiang, Z.-H.: Sequence Analysis of Poly (ether sulfone) Copolymers by ^{13}C NMR, 1624P

Zhou, Y. See Huang, W., 2038C; Jia, Z., 6534C

Zhu, B. See Kai, W., 2340P; Zhao, L., 2665P

Zhu, C.
—; Hard, C.; Lin, C.; Gitsov, I.: Novel Materials for Bioanalytical and Biomedical Applications: Environmental Response and Binding/Release Capabilities of Amphiphilic Hydrogels with Shape-Persistent Dendritic Junctions, 4017C

Zhu, D. See Wang, N., 2851C

Zhu, F. M. See Zou, H., 1325C

Zhu, J.
—; Zhao, J.; Liao, Y.; Jiang, W.: Multiscale Dewetting of Triblock Copolymer Thin Film Induced by Solvent Vapor, 2874P
—; See Liao, M., 1344P; Wang, G., 2368C; Xu, W., 543C; Zhang, W., 2632C; Zhou, D., 4849C

Zhu, Q. See Nie, K., 2594P

Zhu, S.
—; Edmonds, W. F.; Hillmyer, M. A.; Lodge, T. P.: Synthesis and Self-Assembly of Highly Incompatible Polybutadiene–Poly(hexafluoropropylene oxide) Diblock Copolymers, 3685P
—; See Wang, A. R., 5710C

Zhu, X. See Wang, G., 2358C; Xu, W., 543C; Zhang, W., 2632C; Zhou, D., 4849C

Zhu, Y. See Zhang, R., 5529C

Zhuang, J. See Wang, N., 2851C

Zhuang, X. See Pang, X., 6605C

Zhuang, Y. See Chen C., 35P

Zhuo, R.-X. See Zhang, X.-Z., 5490C

Zonca, M. R., Jr. See Falk, B., 2504C

Zong, Z.
—; Soucek, M. D.; Xue, C.: Unusual Inorganic Phase Formation in Ultraviolet-Curable Organic-Inorganic Hybrid Films, 1607C

Zorba, G.
—; Vazaios, A.; Pitsikalis, M.; Hadjichristidis, N.: Anionic Polymerization of *n*-Hexyl Isocyanate with Monofunctional Initiators, Synthesis of Well-Defined Diblock Copolymers with Styrene and Isoprene, 3533C

Zou, D. See Tang, R., 3126C

Zou, H.
—; Zhu, F. M.; Wu, Q.; Ai, J. Y.; Lin, S. A.: Synthesis of Long-Chain-Branched Polyethylene by Ethylene Homopolymerization with a Novel Nickel (II) α−Diimine Catalyst, 1325C

Zou, J. See Cao, C., 429C

Zrínyi, M. See Kaneko, D., 562P

JOURNAL OF
POLYMER SCIENCE

Combined Subject Index to Volume 43

This index covers the Polymer Chemistry and Polymer Physics Editions of the *Journal of Polymer Science,* Vol. 43, 2005. The Edition in which an item appears is indicated by a C or P, respectively, following the page number.

ABC star-branched terpolymer, 2427P
Ab initio calculations, 1827C
Absorption, 5477C
Accelerate, 2154P
Accelerated aging, 4537C
Acceptor, 4280C
Acetylacetonate, 1913C
Acetylene, 5723C
Acidity, 1150C
Acrolein, 1895C
Acryl, 3591P
Acrylamide, 2495C
Acrylates, 314P, 2178C, 2276C, 2377C, 3831C
Acrylic, 2448C
Acrylic acid, 519C, 726C, 2546C
Acrylic diene metathesis polymerization, 6134C
Acrylonitrile, 1827C, 1973C
Acrylonitrile butadiene rubber, 1854P
Activated monomer, 3788C
Activation energy, 59P, 157C, 553P, 1166C, 2862C, 2901C, 3957C, 4151C, 4996C, 6524C
Activation energy viscosity, 2061P
Activators, 1599C
Active ester monomer, 5831C
Acylated chitosan, 1354P
Acyl carrier protein, 4373C
Adamantane, 1729C
Adamantanols, 4248C
Added base, 468C, 4288C, 4292C, 5138C
Addition polymerization, 1978C, 5195C, 5328C, 5899C, 6282C, 6613C
Additives, 2061P, 5889C, 6282C
Adenosine 5′-triphophate (ATP), 562C
Adhesion, 1454P, 2023P, 3628P
Adhesives, 2574C
Adiabatic calorimetry, 2937P
Adsorption, 280P, 3242P
Adsorption selectivity, 385C
AFM, 2023P
AFM/FFM, 1382P
Aggregate formation, 4187C
Aggregation, 1696P, 2921C
Aging, 2665P, 2715P
AlR_3 cocatalysts, 2128C
Al–alkyl cocatalyst, 4632C
Alginate, 48P
Aliphatic polycarbonate, 373C, 4079C
Aliphatic polyester, 373C
Alkaline-developable, 1210C
Alkaline-developable polymer, 593C
1-Alkene, 3728C
Alkenes, 689C
Alkoxyamine, 1873C, 3689C
Alkoxysilane chemistry, 2207C
Alkoxysilyl groups, 2754C
Alkoxy substituted spirobifluorene, 2316C
Alkyl chain, 2921C
Alkyl ether, 2417C
Allyl methacrylate (AMA), 2395C, 6247C
2-Allyloxyethanol, 1255C
Alternating copolymers, 3440C
Aluminum trihydroxide, 5597C
Aluminum ions, 753P
Aluminum metal complex, 373C
Ambient self-curable lattices, 2598C
Amidase, 2448C
Amine functionalization, 946C
Amines, 2749C
Amino, 3878C
Amino acid, 3701C, 5168C
Amino acid ester, 2417C
α-Amino acid *N*-carboxyanhydrides, 5690C
Amino-functionalized polymer, 2598C
Amino group, 3433C
3-Aminopropyltriethoxysilane, 1670C
α−Amino acids, 1463C
Amorphous, 3093P
Amorphous free volume, 2225P
Amphigel, 122C
Amphiphiles, 398P, 479C, 1025P, 1129C, 2912C, 2921C, 2977C, 4373C, 5156C, 5715C, 6367C, 6534C
Amphiphilic, 4953C, 4965C
Amphiphilic block copolymers, 1873C, 1950P
Amphiphilic copolymers, 2291C
Amphiphilic hyperbranched polymers, 2921C
Amphiphilic networks, 2951C
Amphiphilic polymers, 946C
Amphiphilic triblock copolymer template, 4079C
Aniline formaldehyde, 3116C
Anionic alternating copolymerization, 2643C
Anionic clay, 2281C
Anionic living polymerization, 4151C
Anionic polymerization, 455C, 870C, 1038C, 1150C, 1214P, 1486P, 1702C, 2407C, 2440C, 2536C, 2754C, 3411C, 3502C, 3533C, 3655C, 4030C, 4040C, 4070C, 4126C, 4172C, 4405C, 4710C, 6179C, 6503C
Anionic ring-opening polymerization, 4431C
Annealing, 306P, 1310P, 2119C, 3444P, 3720P
Anocomposites, 1649P
Anodic polymerization, 2407C
Anomalous small-angle X-ray scattering, 2981P

Antimicrobial activity, 157C, 2901C
Antimicrobial polymers, 4089C
Antioxidants, 4537C
Antipolyelectrolyte behavior, 129C
Apparent rate constant, 4996C
Applications, 2679C, 3461C
Arborescent, 1811C
Archimedean tiling ($3^2.4.3.4$), 2427P
Arene complexes, 1382C
Arenesulfonyl bromide, 319C
Arenesulfonyl chloride, 5609C
Aromatic copolyesters, 6394C
Aromatic nucleophilic substitution, 6480C
Aromatic polyamides, 2085C, 2625P, 6480C
Aromatic poly(amine-1,3,4-oxadiazole)s, 3245C
Aromatic polyesters, 4570C, 6394C
Aromatic polyethers, 6233C
Aryl-aryl exchange reactions, 1454C
Aryl ether, 4136C
Association, 398P, 709P, 1401P
Associative polymer, 3288P
Asymmetric ether diamine, 331C
Asymmetric oxidative coupling, 6287C
Atactic, 4744C
Atactic polystyrene, 2243P
Atomic force microscopy (AFM), 1P, 1152P, 1198P, 1332P, 1696P, 2557P, 2765C
Atomic oxygen, 2503P
Atom transfer radical polymerization (ATRP), 71C, 429C, 534C, 575C, 733C, 752C, 879C, 897C, 1049C, 1100C, 1129C, 1292C, 1432C, 1498C, 1588C, 2291C, 2358C, 2377C, 2395C, 2625C, 2657C, 2810C, 3232C, 3337P, 3349C, 3454C, 3616C, 3631C, 3675C, 3748C, 3771C, 3804C, 3823C, 3852C, 3957C, 4099C, 4303C, 4446C, 4695C, 4754C, 4805C, 4838C, 4857C, 4996C, 5049C, 5207C, 5710C, 5831C, 5906C, 5935C, 5953C, 6057C, 6247C, 6262C, 6345C, 6355C, 6367C, 6534C
Attenuated total reflection (ATR), 2109P
Autoacceleration, 5661C
Autocatalytic model, 658C
Automated parallel synthesis, 4151C
Aziridine group, 4126C
Azobenzene, 1421P
Azobenzene-based initiators, 2358C
Azobenzene polymers, 4455C
Azo polymers, 468C, 3421P, 4292C, 5138C, 5337C, 5704C

Barrier, 511P
Barrier energy, 1966P
Benzimidazole, 112C
2,1,3-Benzothiadiazole, 2325C
Benzyl sodium, 3533C
Bimodality, 5506C
Binaphthol, 1635C
Binary polymer systems, 2578P
Binding properties, 4933C
Bioactive amino compounds, 18C
Biocompatibility, 2951C
Biodegradable, 35P, 383P, 438C, 463P, 1064P, 1463C, 2086P, 2298C, 2417C, 2426C, 2985C, 3268C, 3932C, 4771C, 4819C, 4857C, 6573C, 6605C
Biodegradable block copolymer, 2790C
Biodegradable polymers, 48P, 368P, 3069P
Biological applications of polymers, 562C, 1342C, 5545C
Biomaterials, 463P, 716P, 1025P, 1369C, 2195C, 2417C, 2777C, 2951C, 2985C, 3030C, 4819C, 5257C
Biomedical embolic applications, 789C
Biomimetic, 2195C
Biomimetic nanotechnology, 3367P
Biopolymers, 18C, 280P, 650P, 752C, 1144C, 2281C, 5257C
Bioresorbable polymers, 4196C
Biotechnologically prepared cellulose, 693C
Biotinylation, 562C
Bipyridine macroligands, 2765C
Birefringence, 724P
Bis(acenaphthelene) crosslinking, 5072C
N,N-Bis(4-aminophenyl)-*N',N'*-diphenyl-1,4-phenylenediamine, 2085C
2,6-Bis [1-(2,6-diisopropyl phenylimino) ethyl] pyridine BPIEP, 4996C
Bis[3,5-dinitro-*N*-(2,6-diisopropyl-phenyl)salicylaldiminate]-nickel(II), 1978C
Bis(ether-anhydride), 1270C
Bis(γ-lactone), 2643C
(Bis(imino)pyridine)chromium complexes, 3368C
Bismaleimide/diallyl bisphenol A, 994C
2,2-Bis(methylol) propionic acid (bis-MPA), 1177C, 3852C
Bisoxazolines, 1331C
Bisphenol A, 2048C, 4136C
Bisphenol M, 1248C
Bisphenol S epoxy, 359P
Bis(rhodium chloride cyclooxta-1,5-diene) catalyst, 6438C
Blend extraction, 2361P
Blending, 511P
Blending by injection molding, 2252P
Blend morphology, 1198P
Blend rheology, 3519P
Blends, 35P, 287P, 429P, 1177P, 1205P, 1244P, 1271P, 1382P, 1520P, 2289P, 2361P, 2433P, 2963P, 3030P, 3534P, 3600P
Block copolymer, 1C, 71C, 188C, 276P, 429P, 438C, 575C, 733C, 752C, 764P, 1028C, 1049C, 1129C, 1214P, 1220P, 1292C, 1331C, 1478C, 1498C, 1535C, 1649C, 1660C, 1681C, 1787C, 1811C, 1948C, 2038C, 2155C, 2178C, 2181P, 2237C, 2276C, 2426C, 2874P, 3141C, 3337C, 3337P, 3377P, 3406P, 3432P, 3533C, 3574C, 3643C, 3665P, 3778C, 3823C, 3831C, 3852C, 4040C, 4109C, 4151C, 4233C, 4323C, 4337C, 4446C, 5049C, 5156C, 5257C, 5643C, 5704C, 5831C, 6007C, 6153C, 6355C, 6367C
Block copolymer templates, 1475P
Block copolypeptides, 4670C
Block–graft copolymers, 4030C
Block oligomers, 5312C
Block polymerization, 1188C
Block polymers, 3588C, 4695C
Blue emission, 1511C
Blue light emitting polymers, 4486C
Bond-fluctuating membrane, 3478P
Bond fluctuation model, 223P
Boron-containing copolymerization, 6419C
Boron trifluoride diethyl etherate, 1444C, 3986C
Branched, 682C, 1325C, 1973P, 3178C
Branched polyethylene, 3368C
Branched structure, 2207C
Branching, 1966P, 4684C, 5710C
Branching degrees, 984C
Branching distribution, 5506C
Break-seal, 6179C
Break-up, 3519P
Bridge, 2754P
Bridging methods, 886P
Brightness, 5062C

Brij-92, 2495C
Brittle regime, 3628P
N-Bromosuccinimide (NBS), 2567C
4-Bromo-1,1,2-trifluorobuthylene, 917C
Brush, 1090C
Bubble point, 2074P
Bulk, 2395C
Bulk polymerization, 3957C
1-Butene, 3000P
Butyl acrylate, 319C, 4050C, 4684C
n-Butyl acrylate, 42C
n-Butyllithium/*N,N,N′,N*-tetramethylethylenediamine (*n*-BuLi/TMEDA), 1216C
Butyl methacrylate, 2931C
Butyl rubber, 334P, 5671C

Cadmium sulfide, 1220P
Calculations structure, 241P
Calorimetry, 276P
Camphorquinone, 5879C
Capillary instabilities, 3395P
ϵ-Caprolactone, 4206C
Carbazole, 2700C, 6057C
Carbohydrate-based monomers, 4570C, 6394C
Carbohydrates, 3814C
Carbonates, 4771C, 5799C, 6282C
Carbon black, 2484P, 4695C
Carbon dioxide, 2951P, 3151P, 4079C, 4172C, 5477C
Carbon nanoparticles, 522P
Carbon nanotubes, 345P, 815C, 1186P, 3273P, 3406P, 6084C, 6105C
Carboxylated latex, 3257C
Carboxymethylcellulose, 505C
Cardanyl acrylate, 5953C
Cardo polymer, 2259P
Catalysis, 235C, 319C, 693C, 1312C, 1955C, 2723C, 3349C, 3840C, 5609C
Catalyst concentration, 2028C
Catalyst immobilization, 2734C
Catalyst recycling, 3804C
Catalysts, 1261C, 1635C, 1681C, 1935C, 2028C, 2567C, 2625C, 3059C, 4393C, 4578C, 5535C, 5715C, 5872C, 5906C, 6166C, 6282C, 6323C, 6545C
Catalytic activity, 4079C
Catalytic polymerization, 6503C
Cation coordination, 3665P
Cationic emulsion polymerization, 3878C
Cationic photopolymerization, 4144C
Cationic polymerization, 188C, 468C, 1014C, 1487C, 1554C, 1729C, 1747C, 3105C, 3205C, 3823C, 4288C, 4292C, 5138C, 5337C, 5704C, 5962C
Cationic polysaccharides, 3584P
Cationic ring-opening polymerization, 2038C
Cationomers, 3945C
Cellobiose–polylysine dendrimers, 2195C
Cellulose, 48P, 407C, 693C, 1673P, 2013P
Cellulose diacetate, 59P
Central functionalization, 946C
Ceramics, 763C
Chain branching, 4632C
Chain entanglements, 1729P
Chain-growth polycondensation, 4109C
Chain-length-dependent termination, 1076C
Chain termination, 2584C
Chain transfer, 1599C, 1684P, 2001C, 4144C, 5097C, 5864C
Chain transfer reaction, 1858C
Chaotic mixing, 3638P
Characteristic ratio, 3100P
Characterization, 763C, 1811C, 2679C, 2852P, 3447C, 4857C
Charge density, 3584P
Charged polymers, 129C
Charge transfer, 2527C, 4600C
Charge transport, 859C, 5765C
Chelating fibers, 1238C
Chemical composition distribution, 1557P
Chemical modification, 917C, 4196C, 5998C
Chemical synthesis, 2161P
Chemical volume shrinkage, 2392P
Chiral, 616C, 1554C, 3454C, 3701C, 4118C, 4298C, 5855C, 5872C, 6287C
Chiral polystyrene, 2348C
Chiral recognition, 385C
Chitosan, 35P, 48P, 1985C
Chlorination, 4089C
Chlorine-functionalized polymer, 2598C
N-Chloro amides, 5283C
1-[2-(4-Chlorobutoxy)-ethyl]aziridine, 4126C
N-Chloro carbamates, 5283C
4-(Chlorodimethylsily) styrene, 1038C
N-Chloro imides, 5283C
1,1-Chloroiodoethane, 1935C
N-Chloro lactams, 5283C
4-Chloro-3-phenyl methacrylate, 157C
Chlorosilane, 1883C, 6179C
5-Chlorovaleric acid, 5844C
Cholesteric phase, 3315C
Chromatography, 2112C, 3049C, 5680C
Chromophore, 1421P, 2493P
Cinnamate, 3324C
Circular dichroism, 1354P
cis-to-*trans* isomerization, 2836C
Clay, 1P, 158P, 233P, 304C, 478P, 534C, 1785P, 1854P, 2454P, 2493P, 2653P, 2705P, 3242P, 3713P
Clay platelet, 3478P
Cloud-point curve, 2937P
CO_2 absorption ionic liquids, 1432C
Coagulation, 1673P, 2013P
Coalescence, 3519P
Coarse-grained models, 886P
Coarse-grained molecular dynamics, 1014P
Coarse-graining, 871P, 887P
Coating films, 3623C
Coatings, 542P, 844C, 1062C, 1196C, 3711C, 4050C, 4260C, 5119C, 6492C
Cobalt chloride, 5207C
Cobalt complexes, 5535C
Cobalt iron oxide, 1475P
Cocatalysts, 689C
Coefficient of variation (CV), 5343C
Coil-rod block copolymer, 607C
Collagen-like polypeptides, 6048C
Colloidal characterization, 3878C
Colloidal stability, 726C
Colloidal titration, 6345C
Colloids, 233P, 1033P, 1309C, 1569C, 1641C, 3760C, 4870C, 6562C
Color filter, 3337P
Color purity, 4486C
Columnar, 2836C
Combinatorial polymer science, 3384P
Comblike polymers, 1129C
Compatibility, 1177P, 3973C
Compatibilization, 22P, 837P, 1260P, 1892P, 2170P, 2514P
Compatibilizer, 1188C
Composite membranes, 1538P, 4161C
Composite nanofibers, 2852P
Composite nanoparticles, 2826C
Composite particles, 2224C, 2790P
Composite polymer electrolyte, 743P
Composites, 135P, 1113P, 3359C, 3406P, 3501P, 3973C, 4298C, 4922C, 5177C, 5597C
Compositional distribution, 4351C
Computer modeling, 711C, 1025P, 5300C
Concanavalin A, 18C
Concentrated blends, 2534P
Condensation, 1019C, 3447C

Condensing agents, 6545C
Conducting, 3116C
Conducting composites, 2484P
Conducting polymers, 1090C, 1444C, 1579C, 1741C, 1767C, 1845C, 2370P, 2705P, 2892C, 3040C, 3058P, 3986C, 4439C, 4547C, 4600C, 4675C
Conductive, 3695P
Conductive composite latex particles, 342C
Conductivity, 743P, 2161P, 3273P, 6411C
Conetwork, 4953C, 4965C
Conformation, 886P
Conformational analysis, 861P, 2824P
Conformational changes and linear expansion coefficient, 534P
Conformational property, 1354P
Conformational state, 498P
Conjugated copolymers, 3574C, 6007C
Conjugated polymers, 215P, 241P, 616C, 823C, 1382P, 1397C, 1417C, 1454C, 1569C, 1705P, 1845C, 2219P, 2325C, 2520C, 2800C, 3126C, 3403C, 3701C, 4280C, 4298C, 4337C, 4517C, 4600C, 5147C, 5723C, 5765C, 5855C, 6105C, 6166C, 6223C, 6438C, 6445C, 6554C, 6592C
π-Conjugated polymers, 6554C
Conjugation length, 3116C
Constrained-geometry catalyst, 1285C
Contact angles, 2252P, 3737C
Contact lenses, 3491C, 4953C, 4965C
Continuous polymerization, 2546C
Controlled copolymerization, 3728C
Controlled/living polymerization, 3440C
Controlled/living radical polymerization, 752C
Controlled radical polymerization, 230C, 897C, 1535C, 5207C
Cooperative effects, 4942C
Cooperative hydrogen-bond, 3331P
Coordinated polymerization, 2440C
Coordination, 5414C
Coordination polymerization, 4530C
Coordination polymers, 4981C
Copolyesters, 1511C, 2230P
Copolyethers, 5083C
Copolyimides, 2154P
Copolymer composition, 3788C
Copolymerization, 18C, 142C, 157C, 203C, 479C, 584C, 742C, 911C, 984C, 1285C, 1309C, 1417C, 1579C, 1681C, 1729C, 1767C, 1778C, 2013C, 2061C, 2483C, 2584C, 2650C, 2675C, 2777C, 2826C, 3049C, 3167C, 3268C, 3305C, 3707C, 3760C, 3771C, 3788C, 3840C, 3868C, 4079C, 4089C, 4172C, 4187C, 4632C, 4666C, 5009C, 5032C, 5041C, 5195C, 5343C, 5562C, 5864C, 5944C, 5962C, 6095C, 6146C, 6323C, 6394C, 6599C
Copolymerization microstructure, 1100C
Copolymerization photoluminescence, 4337C
Copolymerization reactions, 4351C
Copolymers, 699P, 1312C, 4922C, 5814C, 6020C, 6503C
Copper bromide, 319C
Copper(i), 3411C
Copper metal, 1660C, 1948C
Copper sulfide, 319C
Core-shell, 3631C
Core-shell immunolatices, 1342C
Core-shell nanostructure, 2892C
Core-shell particles, 342C, 5889C
Core-shell polymers, 2826C, 3534P, 3675C, 5458C, 5652C
Correlation length, 1696P
Coumarin, 3324C
Coupling agents, 1331C
Creep, 1794P, 3261P
o-Cresolphthalein, 1019C
Critical filler concentration, 522P
Cross-coupling, 6287C
Crosslinked networks, 2370P
Crosslinked polymer, 5097C
Crosslinking, 398P, 407C, 593C, 671C, 1210C, 1296P, 1309C, 1455P, 1631P, 1641C, 1985C, 2038C, 2112C, 2754C, 2912C, 3049C, 3105C, 3316P, 3411C, 3778C, 4126C, 4422C, 4478C, 4642C, 4684C, 4922C, 5119C, 5267C, 5323C, 5343C, 5440C, 5458C, 5661C, 5710C, 5879C, 5899C, 6295C, 6492C, 6586C
Crosslinking kinetics, 2898P
Crosslinking reagents, 2028C
β-Crystal, 306P
Crystal growth monitoring, 1238C
Crystalline polyamide, 1640P
Crystalline transition, 2048P
Crystallinity, 1076P, 1321P, 2606C, 3112P, 3720P
Crystallization, 35P, 79P, 107P, 115P, 253P, 287P, 306P, 378P, 463P, 553P, 650C, 763C, 805P, 1047P, 1064P, 1155C, 1526C, 1557P, 1729P, 1757C, 1997P, 2039P, 2099C, 2307P, 2340P, 2445P, 2468P, 2604P, 2712C, 2725P, 2824P, 3007C, 3067C, 3083P, 3191P, 3222P, 3242P, 3308P, 3438P, 3652P, 5449C
Crystallization analysis fractionation, 1557P
Crystallization behavior, 2694P
Crystallization kinetics, 1441P, 2326P, 2594P, 2885P, 3231P
Crystal modification, 805P
Crystal structures, 2048P, 2677P, 5535C, 6605C
Cure rate monomer, 917C
Cure shrinkage, 2392P
Curing, 4136C, 5119C
Curing of polymers, 671C, 2258C, 2314P, 3510C, 4422C, 4478C, 4882C
Curing reaction, 2392P, 5953C
Cutinase, 2448C, 2749C
Cyanate ester, 671C
Cyanate ester resins, 3887C
2-Cyanoprop-2-yl dithiobenzoate, 1973C, 2001C
Cyanoxyl radicals, 519C
Cyclic carbonate, 584C
Cyclic olefin copolymer, 2745P
Cyclic polycarbonates, 1248C
Cyclic polymer, 3324C
Cyclic voltammetry, 5512C
Cyclization, 5690C
Cyclodextrin, 1433P, 2941C, 4721C, 5188C
β-Cyclodextrin, 2931C
Cyclodextrin inclusion compound, 2086P
Cyclodiolefin, 1285C
1,3-Cyclohexadiene, 1216C
Cyclohexylmethacrylate, 71C
Cycloloefin, 1285C
Cyclopentadienyl, 1261C
Cyclopentadienyl iron, 1382C
Cyclopolymerization, 861P, 4118C
Cylindrical polymer brushes, 3461C
β-Cylodextrin, 3516C

Damage zone, 2170P
DBM, 1303P
Debris, 2514P
Densification, 1047P
Deformation, 3255P, 3369P
Deformation behavior, 3205P
Degenerative transfer, 3728C
Degenerative chain transfer, 287C, 773C, 779C
Degradable polymers, 4196C
Degradation, 383P, 552C, 638C, 837C, 1064P, 1260P, 1404C, 1708C, 2426C, 2451C, 2468C

Degree of branching, 3278C
Degree of polymerization (DP), 178C, 2352P, 3278C
Dehydropolycondensation, 2164C
Dendrimers, 28C, 168C, 235C, 682C, 1177C, 1210C, 1382C, 3059C, 3689C, 3719C, 4894C, 5147C, 5414C, 5429C, 5512C, 6431C
Dendrimer-star polymers, 6379C
Dendrite, 1303P
Dendronized polymers, 2291C, 3852C, 4496C
Densification, 1047P
Density functional theory (DFT), 455C, 2527C
Density functional theory (DFT) calculations, 1827C
Dental composite, 3153
Dental polymers, 2574C
Depinanylsilylation, 2348C
Depropagation, 3868C
Dewetting, 2874P
Diacrylate, 1455P
N,N-Dialkylacrylamide, 2754C
Dialkyl 3,4-propylenedioxythiophene (ProDOT), 419C
Diallyl maleate, 4684C
Dialysis, 385C
Diamine, 4217C
Dianhydrohexitol, 3909C
Diaryliodonium salts, 2504C
Diblock copolymers, 193P, 837P, 970P, 1155C, 1216C, 1569C, 2567C, 2712C, 2754C, 2977C, 3377P, 3444P, 3487P, 4431C, 4819C, 6247C
Diblock PCL-*b*-PLLA copolymer, 2086P
3,5-Dicyano-2,4,6-tristyrylpyridine, 493C
Dicyclopentadiene, 671C
Dicyclopentadiene epoxy (hp7200), 5971C
Dielectric constant, 534P, 671C, 3584P
Dielectric dispersion, 1134P
Dielectric properties, 149C, 596P, 671C, 2334P, 2862C, 5971C
Dielectric relaxation, 1134P, 2951P, 2972P
Dielectric spectroscopy, 1408P
Diels–Alder reaction, 1895C, 2650C
Diethyl acetylenedicarboxylate, 1895C
N,N-Diethylaminoethyl methacrylamide, 2819P
N,N-Diethyldithiocarbamate, 63C
Diethyl zinc, 2754C
Differential scanning calorimetry (DSC), 107P, 253P, 378P, 699P, 936C, 994C, 1166C, 1511C, 1662P, 1986P, 2039P, 2099C, 2326P, 2334P, 2514P, 2725P, 2765C, 2790P, 2829P, 2885P, 2901C, 3077P, 3091C, 3222P, 3261P, 3440C, 4496C, 4942C, 6503C, 6524C
Differential scanning photocalorimetry (photo-DSC), 101C
Diffusion, 178C, 323P, 383P, 764P, 1041P, 1047P, 1230P, 1365P, 1486P, 2454P, 3497P, 5581C, 5632C
2,6-Difluoropyridine, 4781C
Diglycidyl ether of bisphenol A (DGEBA), 5971C
9,10-Dihydro-9-oxa-10-phosphaphenanthrene 10-oxide (dopo), 2862C, 5971C
3,5-Dihydroxybenzoic acid, 3278C
Dilatometer, 2314P, 2392P
Dilatometric behavior, 1904P
Dilute solution, 1354P
Dimensional change, 1545C
Dimethacrylate monomer, 3153
Dimethylacetamide (DMAc), 1673P
*N,N-D*imethylaminoethyl acrylate, 5652C
Dimethyl sulfide, 4710C
Dimethyltrimethylene carbonate, 1913C
1,5-Dioxepan-2one, 4206C
Dipentareythritol initiator, 5449C
Dipeptides, 3701C
Diphenylether, 4996C
Diphenyl methane potassium, 607C
Diphosphinoamine, 3411C
Directed assembly, 3444P
Direct polycondensation, 6545C
Dispersibility, 600C
Dispersion polymerization, 217C, 3433C, 3760C
Dispersion polymerization of styrene, 3566C
Dispersions, 522P, 2269P, 2307P, 2368C
Dissociation reaction, 4260C
Dissolution, 2013P
2,6-Distyrylpyridine, 4486C
3,3′-Disulfonyl-4,4′-dicarboxyldiphenylsulfone, 4363C
Dithiafulvene, 6592C
Dithiocarbamate, 4849C
Dithiocarbamate-mediated iniferter, 230C
Dithiocarbonate, 5097C
Divalent rare-earth complex, 3966C
Divinylbenzene, 429C
Diyone, 101C
Dodecylbenzenesulfonic acid, 42C
Doi and Ohta model, 3519P
Domino effect, 3331P
Donor-acceptor norbornadiene, 4412C
Donor-acceptor polymers, 1417C
Double combs, 4070C
Double metal cyanide, 4393C
Double-tailed macromonomers, 4070C
Drawing, 87P, 1090P, 1161P
Droplet deformation, 3519P
Drug delivery systems, 217C, 1895C
Drying glass transition, 3191P
Ductile, 585P
Ductile regime, 3628P
Ductile-to-brittle transition, 3674P
Dyes/pigments, 4981C
Dynamic light scattering (DLS), 323P, 3288P, 3567P, 3685P, 5680C, 6345C
Dynamic mechanical analysis, 786P
Dynamic mechanical properties, 522P, 4363C
Dynamic mechanical thermal analysis, 1548P
Dynamic percolation, 184P
Dynamic properties, 334P
Dynamics, 2914P
Dynamic viscoelastometry, 1640P

ECAE, 3555P
Effect of the cocatalyst amount, 2248C
Elastic behavior, 223P
Elastic constants, 2862P
Elastic properties, 1785P
Elastic strain, 2898P
Elastin-derived peptide, 6048C
Elastomers, 135P, 585P, 716P, 1113P, 1532P, 1649P, 1854P, 1858C, 2985C, 3315C, 3501P
Electrical properties, 1186P, 2269P, 3695P
Electrical resistivity, 1649P
Electric field, 184P
Electrochemical detection (ECD), 2048C
Electrochemical polymerization, 1444C, 3986C
Electrochemical properties, 1511C, 3079C, 6554C
Electrochemistry, 1588C, 1702C, 2407C, 4517C9, 5083C
Electrochromic, 2085C
Electrochromic polymers, 419C
Electrode polarity, 3699P
Electroluminescence, 493C, 2325C, 3126C
Electrolyte membranes, 2370P
Electrolytic conductivity, 3584P
Electromagnetic interference (EMI), 345P

Electron attachment, 1068C
Electron-beam-initiated crosslinking, 3600C
Electron beam irradiation, 3019P
Electron donor, 6592C
Electron irradiation, 2972P
Electron microscopy, 1129C, 1986P, 3414P, 3432P, 3549P
Electron spin resonance (ESR), 1684P, 2836C, 3406P
Electropolymerization, 4547C
Electrospinning, 1673P, 1881P, 2190P, 2852P, 3171P
Electrospinning process, 3699P
Electrospray ionization (ESI), 946C
Electrospun membranes, 3205P
Electrostriction, 2334P
Emulan-ELP-11, 2495C
Emulsifier-free, 2826C
Emulsion, 2826C, 5581C
Emulsion-like polymerization, 2777C
Emulsion polymerization, 562C, 726C, 844C, 1076C, 1579C, 1963C, 2224C, 2617P, 2675C, 3040C, 3257C, 3707C, 4050C, 4684C, 5545C, 5632C
Enantioselective adsorption, 2348C
Enantioselective permeation, 385C
End-functional polymers, 897C, 4126C
End-group functionality, 6331C
End groups, 3376C
Energy dispersive X-ray diffraction (EDXD), 2725P
Energy model, 2683P
Enolic, 6605C
Entanglement, 2243P, 2683P
Enthalpy, 2141P
Entropic-FV, 3299P
Entropy, 2141P
Enzymatic polymerization, 693C, 3030C
Enzymes, 1064P, 3030C, 4206C
Eosin, 600C
EP copolymer, 1858C
Epoxide, 2258C, 2643C, 4172C, 5962C, 6028C, 6039C
Epoxide ring-opening polymerization, 2504C
Epoxy, 1950P
Epoxy-functionalized ABS, 2170P
Epoxy group, 817P
Epoxy monomer, 4144C
Epoxy resins, 522P, 1548P, 2314P, 2337C, 3421C, 5787C, 5799C
(E)-*p*-[(*p*-methoxy-phenyl)-2-ethenyl]phenylacetylene, 6438C
EPR/ESR, 2097P
Erosion, 383P
ESCA, 2023P
ESCA/XPS, 552C, 1332P
ESR/EPR, 603P, 3432P
ESR spectrum, 2013C, 5864C
Essential work of fracture, 585P, 3112P
Established facts, 125P
Esterase, 2448C
Esterification, 407C, 4790C
Ester polymers, 468C
Etching, 1198P
Ethyl-α-hydroxymethylacrylate, 4187C, 5699C
5-Ethyl-2,2′-bipyridine, 3167C
Ethyl branch, 3368C
Ethyl-2-bromoisobutyrate (EB*i*B), 4996C
Ethyl cellulose, 4099C
Ethylene, 689C, 911C, 1285C, 3000P, 4351C
Ethylene and α-olefins, 4351C
Ethylene and styrene copolymerization, 711C
Ethylene–buthylene rubber, 1520P
Ethylenediamine, 2013P
3,4-Ethylenedioxythiophene, 5823C
Ethylene oxide, 112C
Ethylene polymerization, 1261C, 3368C, 5465C
Europium complex, 2181P
Even-odd nylons, 2048P
Excited-state intramolecular proton transfer, 1397C
Exfoliation, 689P, 2005P, 3555P
Expanding material, 5323C
Expanding monomers, 3421C
Extinction coefficient, 1608P
Extrudate distortions, 2963P

Far-infrared radiation, 2154P, 3621P
Fast polymerization, 468C, 4288C
Fatt method, 3491C
Fe_3O_4 ferrofluids, 1342C
Ferrimagnetic, 1475P
Ferrocene, 974C
Ferroelectricity, 616C, 3093P, 3255P
Ferroelectric liquid crystals, 1779P
Fibers, 1090P, 2790C
Fiber-structure development, 1090P
Fibril formation, 3600P
Fibrils, 3638P
Fillers, 573P, 1113P, 1649P, 2314P, 3135P
Film properties, 4642C
Films, 97P, 407C, 413P, 637P, 1825P, 3395P, 3549P
Fingering pattern, 2874P
Flame retardance, 2548O, 2862C, 3510C, 5787C, 5971C, 6419C
Flocculated structure, 2807P
Flory-Huggins theory, 2131P
Fluorescein, 3447C
Fluorescence, 28C, 680P, 823C, 859C, 1007C, 1444C, 1526C, 2119C, 2632C, 3278C, 3497P, 3945C, 3986C, 5512C, 5581C, 5632C
Fluorescence spectroscopy, 4586C
Fluoride-releasing, 3153
Fluorinated, 4280C
Fluorinated alcohol, 4144C
Fluorinated block copolymers, 3685P
Fluorinated polyhybridsiloxanes, 2237C
Fluorinated polyimide-fluorinated polyhybridsiloxane block copolymers, 2237C
Fluoroalkene, 3728C
Fluoropolymers, 552C, 917C, 1310P, 1392P, 2237C, 3018C, 3588C, 3737C, 4280C, 4754C, 4790C, 5312C
Fluorous biphase catalysis, 3804C
Foam properties, 689P
Foams, 190P, 296C, 1608P
δ-Form, 2380P
δ-Form complex, 1873P
Fractional crystallization, 2665P
Fractionation, 3623C
Fracture, 1296P, 2207P, 3255P
Fracture mechanisms, 3652P
Fracture morphology, 1177P
Fracture toughness, 3674P
Free enthalpy, 2141P
Free-radical entry, 1963C
Free-radical polymerization, 1076C, 3189C, 5643C, 6524C
Free radicals, 6084C
Free volume, 59P, 511P, 1047P, 1230P, 1865P, 2413P, 2541P, 3299P
Freeze-dried, 2243P
Freeze-dried poly(L-lactide), 115P
Fremy salt, 3600C
Friction, 3316P
Friedel-Crafts acylation, 5072C
Frontal polymerization, 1670C, 3205C
FT-IR, 439P, 511P, 764P, 994C, 1144P, 1161P, 1168P, 1238C, 1903C, 2048P, 2061P, 2725P, 2824P, 3887C, 5023C, 6084C
FT-IR mapping measurement, 368P
FTIR spectroscopy, 2829P
Fuel cells, 273C, 786P, 1455P1455P, 1741C, 2370P, 2964C, 5620C
[60]Fullerene, 5814C
Fullerenes, 2851C, 5814C

Functionalization, 478P, 4280C
Functionalization of organoclay, 817P
Functionalization of polymers, 235C, 296C, 314P, 584C, 650C, 1144C, 1404C, 2134C, 2826C, 3007C, 3091C, 3711C, 4089C, 4161C, 4373C, 4547C, 4609C, 4771C, 4882C, 5023C, 5529C, 5545C, 5671C, 5814C, 5899C, 5944C, 6562C, 6613C
Functionalized latices, 217C
Functionalized SWNT, 2269P
Functionally gradient materials, 368P, 3069P
Functional polyolefin, 1858C
Fusion, 1465P

Gas permeation, 1365P, 2413P, 2625P
Gas-phase polymerization, 1930C
Gas transport properties, 2625P
Gelation, 861P, 2112C, 2395C, 3567P, 5661C, 5710C, 6007C, 6247C
Gelation point, 1944P
Gel permeation chromatography (GPC), 157C, 296P, 334P, 421P, 473C, 1228C, 2358C, 2388P, 2675C, 2810C, 2901C, 3337C, 3411C, 3533C, 4070C, 5246C, 6153C
Gel polymer, 4684C
Gels, 122C, 562P, 617P, 680P, 5032C
Gel-spinning, 2639P
Genipin, 1985C
Gibbs free energy, 3299P
Gilch polymerization, 5062C
Glass, 2141P
Glass bead, 306P
Glass-blowing, 6179C
Glass-forming property, 2700C
Glass transition, 59P, 79P, 115P, 596P, 786P, 1216C, 1283P, 1504P, 1904P, 1935C, 2243P, 2666C, 2874C, 2951P, 3261P, 3337C, 4828C, 5049C, 5971C
Glass transition temperature, 2259P, 6586C
Glassy polymers, 994P
Glycidyl methacrylate copolymer, 2524P
Glycidyl methacrylate (GMA), 562C, 2038C
Glycol, 4469C
Glycopolymer, 752C
Gold nanoparticles, 4710C
Gold–poly-(methyl methacrylate) (Au–MMA), 3631C
Gradient copolymers, 3616C, 6073C
Graft copolymerization, 2874C
Graft copolymers, 79P, 314P, 429C, 879C, 1090C, 2068C, 2266C, 2361P, 2615C, 3771C, 4040C, 4099C, 4654C, 4838C, 5097C, 5103C, 5855C, 5889C
Grafted polypropylene, 1408P
Graft from maghemite, 3221C
Grafting, 5529C
Grafting efficiency, 2874C
Grafting frequency, 2874C
Grafting from method, 63C
Grafting ratio, 2874C
Graphite–polymer composites, 2568P
Griffith theory, 2639P

Hard soft acid bases, 4288C
HDPE, 13P, 3213P
Heck coupling, 3079C
Helical structure, 680P
Helix, 886P, 5168C
Helix-helix transition, 5855C
Hemiacetal ester, 4260C
1-Heptene, 3000P
Heteroaromatic polymers, 5823C
Heteroatom-containing polymers, 6295C, 6592C
Heterobifunctional latex particles, 562C
N-Heterocyclic carbenes, 6134C
Heterogeneous, 3438P
Heterogeneous catalyst, 235C, 4079C
Heterogeneous catalytic polymerization, 1930C
Heterogeneous copolymers, 3000P
Heterogeneous polymers, 983P
Heteropolyacids, 1538P
1-Hexene, 4632C
n-Hexyl isocyanate, 607C, 6503C
Hierarchy, 2427P
High-density polyethylene, 2484P, 73067C
High-internal-phase emulsions, 296C
High-luminance X-ray source, 1090P
High molecular weight, 3566C
High-order molecular structure, 693C
High-performance liquid chromatography (HPLC), 2048C, 2556C
High-performance polymers, 78C, 801C, 1923C, 2021C, 2851C, 3018C, 3178C, 5267C, 6465C
High-performance thermosets, 994C
High-pressure polymer extraction, 2361P
High-resolution electron microscopy, 1749P
High-resolution magic angle spinning NMR, 122C
High-resolution ultrasonic spectroscopy, 1283P
High temperature, 4136C
High temperature polymer, 5072C
High-throughput experimentation, 1487C, 3831C, 4151C
High-vacuum line, 6179C
Hole injection property, 2316C
Hole-transporting, 2085C
Homogeneous, 3438P
Homoleptic lanthanide guanidinate complexes, 1778C
Host-guest, 1873P
Host-guest chemistry, 6431C
Host-guest systems, 2921C, 5855C
Huggins constant, 534P
Humidity, 1640P
Humidity sensing, 2161P
Hybrid, 637P
Hybrid polymer networks, 3261P
Hydration, 764P
Hydrodynamic radius, 534P
Hydrodynamic volume, 5680C
Hydrogel microspheres, 1641C
Hydrogels, 562P, 959P, 1062C, 1641C, 2615C, 2843P, 2941C, 3491C, 3932C, 4942C, 4953C, 4965C, 5490C
Hydrogen bonding, 1P, 35P, 50C, 777P, 1076P, 1433P, 1554C, 1924P, 2557P, 2594P, 2606C, 3899C, 4731C, 5661C
Hydrogen bonds, 5414C
Hydrolysis, 2749C, 3909C
Hydrolysis and condensation, 3655C
Hydrolytic cocondensation, 763C
Hydrolytic polycondensation, 3623C
Hydrophilic polymers, 48P, 112C, 650C, 1007C, 1283P, 1404C, 3359C, 4578C, 4933C, 4942C
Hydrophobic additive, 5490C
Hydrophobically modified acrylamide copolymer, 709P
Hydrophobic association, 3324C
Hydrophosphorylation, 5328C
Hydrosilylation, 1883C, 3814C, 4922C
Hydroxyapatite, 5177C
2-Hydroxyethyl acrylate, 3957C
8-Hydroxyquinoline, 397C
Hyperbranched, 168C, 493C, 1811C, 1883C, 2679C, 2921C, 3159P, 3178C, 3278C, 3376C, 3502C, 4609C, 4642C, 4654C, 4754C, 5127C, 5458C, 5652C, 6534C
Hyperbranched polymers, 5554C
Hypercrosslinked resin, 1718C

Hyper-Rayleigh scattering (HRS), 4455C

I_1-I_2-based, 125P
IIR, 2653P
i-line lithography, 2527C
Imaging, 1842P, 5774C
Imide, 4469C
Imidization, 2154P, 3621P
Immiscible polymer blend, 3519P
Immobilization, 1019C, 3447C
Immobilized-enzyme, 562C
Impact properties, 1113P, 1177P
Impact resistance, 1244P, 2715P
Impact toughness, 585P
Implant, 3491C
Implicit pneultimate effect, 4187C
Inclusion chemistry, 2086P
Inclusion complex, 1433P, 3516C
Indentation, 1794P, 2993P
Indenyl, 1261C
Infrared spectroscopy, 542P, 777P, 1608P, 2252P, 2594P, 3665P, 5571C
Infrared spectrum, 2557P
Inherent viscosity, 6480C, 6545C
Inhomogeneity, 1696P
Iniferters, 2567C
Initial state, 498P
Initiation, 5748C
Initiation mechanism, 2617P
Initiators, 455C, 1684P, 1747C, 1913C, 1935C, 2188C, 2567C, 2625C, 6331C
Injection molding, 13P
Inorganic materials, 2892C
Inorganic nanobelts, 2892C
Inorganic polymers, 763C, 1238C
Insertion polymerization, 5723C
In situ copolymerization, 984C
In situ polymerization, 304C, 542P, 1690C
In situ precipitation, 1475P
Insoluble gel product, 2028C
Interaction, 205P, 2399P
Interaction chromatography, 1591P
Interaction parameter, 3584P
Interfaces, 1244P, 1321P, 1454P, 1486P, 2568P, 3414P, 3487P
Interfacial adhesion, 3213P
Interfacial force microscopy, 2993P
Interfacial polycondensation, 1144C
Interfacial slip, 2683P
Interlamellar region, 2665P
Intermolecular interaction, 2316C
Intermolecular specific interactions, 359P
Internal stresses, 378P
Interpenetrating network model, 1161P
Interpenetrating polymer network (IPN), 3543C
Interpolymer complexes, 1924P
Intramolecular hydrogen bonding, 4455C
Intrinsic viscosity, 534P, 3100P
Intumescent, 2548P
Inverse gas chromatography, 2524P, 2568P
Inverse microemulsions, 6105C
Iodoform, 287C, 779C, 2178C, 2185C, 2276C
Ionic conductivity, 3151P
Ionic liquids, 3454C, 4675C, 5477C, 5609C, 6545C
Ionomers, 97P, 273C, 786P, 1741C, 2370P, 3549P, 3945C, 4439C, 5671C
Ionophores, 5855C
Iron complexes, 1599C
Iron(II) complex, 2128C
Irradiated nylon 1212, 2326P
Irradiation, 2368C, 2843P
ISCA/XPS, 1238C
Isobutylene, 3823C
Isolation, 763C
Isomerization, 1014C
Isomerlisomerization, 5195C
Isophoron diisocyanate, 1196C
Isophthalic aramids, 2625P
N-Isopropylacrylamide (NIPAM), 849P, 3575P, 5652C, 5923C
N-Isopropylacrylamide (NIPAM), 50C, 3899C, 5490C
Isosorbide, 6480C
Isotactic, 50C, 263C, 429C, 4405C, 4744C
Isotactic polypropylene, 2829P
Isothermal crystallization, 1914P, 1966P
Isothermal frontal polymerization, 5774C

Janus cylinders, 3461C

β-Ketoamine, 5535C
Kinetic analysis, 66P
Kinetic measurements for polymerizations, 4151C
Kinetic parameters of copolymerization, 1827C
Kinetics, 142C, 505C, 805P, 844C, 1216C, 1779P, 1973C, 2028C, 2128C, 2395C, 2468P, 3222P, 4187C, 5609C, 5864C, 6331C
Kinetics (polym.), 178C, 287C, 519C, 543C, 861P, 897C, 1038C, 1076C, 1166C, 1357C, 1404C, 1432C, 1649C, 1660C, 1935C, 1948C, 1963C, 2001C, 2145C, 2178C, 2185C, 2248C, 2276C, 2546C, 2931C, 3713P, 3868C, 3920C, 4894C, 5232C, 6524C
Kinked structure, 4486C

Lactones, 3421C
Lamellar, 970P
Lamellar orientation, 3555P
Lanthanide, 5831C
Lanthanide triflates, 2337C, 5799C
Laponite, 233P
Laser drawing, 1090P
Laser flash photolysis, 505C
Laser line deflection (Weiner's method), 5774C
Laterally attached side rods, 3394C
Late-transition-metal catalysts, 1325C
Latex blends, 2598C
Latex stability, 2931C
Lattice-hole theory, 2225P
Lattice models, 886P, 887P
Lattices, 217C, 2289P, 2790P, 5545C
Layer-by-layer assembly, 1062C
Layered silicates, 1014P
LB films, 5023C
Lewis acid catalysts, 2164C
Light-emitting diode (LED), 493C, 742C, 823C, 859C, 1705P, 1845C, 2520C, 2800C, 3126C, 5009C, 5083C, 5147C, 5765C
Light-emitting iridium (III) compounds, 2765C
Light-emitting polymers, 3079C, 3394C
Light scattering, 296P, 323P, 398P, 488P, 617P, 837C, 849P, 1401P, 1504P, 3533C, 3534P, 3551C, 4030C, 4040C, 4070C, 4670C
Limited coagulation, 1963C
Linear, 28C, 78C
Linear low-density polyethylene, 314P, 984C, 1557P, 4351C
Linear polyethylene, 1618P
Linear polymer, 3516C
Linear viscoelastic behaviors, 3030P
Lipase CA, 4206C
Liquid chromatography, 959C
Liquid chromatography at critical conditions (LC-CC), 6116C
Liquid crystal, 3591P
Liquid-crystalline, 3315C
Liquid-crystalline block copolymers, 5935C
Liquid-crystalline polymer (LCP), 135P, 616C, 733C, 974C, 1124P, 1511C, 1842P, 1903C, 2099C, 2352P, 2474P, 2666C, 3394C, 3421P, 3600P, 4907C

Liquid-crystalline thermosets, 4478C
Liquid crystallinity, 1047P
Liquid crystals, 4731C
Liquid heat capacity, 2141P
Liquid–liquid phase transition, 1641C
Lithium chloride (LiCI), 1673P
Lithography, 3444P, 5520C
Living anion, 1401P
Living anionic polymerization, 607C, 1216C, 4431C
Living carbocationic polymerization, 1811C
Living cationic polymerization, 1155C, 2712C
Living free radical polymerization, 5699C
Living polymerization, 42C, 287C, 319C, 468C, 543C, 773C, 779C, 1068C, 1150C, 1188C, 1478C, 1487C, 1498C, 1649C, 1660C, 1935C, 1948C, 2134C, 2145C, 2178C, 2185C, 2188C, 2276C, 2632C, 2723C, 2754C, 3141C, 3920C, 4126C, 4271C, 4288C, 4292C, 5138C, 5232C, 5246C, 5283C, 5337C, 5609C, 5704C, 5723C, 6153C
Living radical polymerization, 63C, 1535C, 2001C, 2567C, 3189C, 4670C, 4805C, 4849C, 4894C, 4972C, 5643C, 5680C, 6028C, 6039C
LJD cell theory, 1618P
Loss factor, 2862P
Low-density polyethylene (LDPE), 22P, 837P, 1557P, 3030P
Lower critical solution temperature, 6048C
Low molecular weight EP(D)M latex, 3600C
Low oxidation potential, 2316C
Low temperature, 1495P
Low-temperature heat capacity, 2141P
Lubrication, 193P
Luminescence, 397C, 1049C, 1397C, 1705P, 2520C, 2800C, 3126C, 4517C, 5009C, 6554C
Luminescence spectroscopy, 2737P
Luminescent properties, 2181P
Lypogel, 122C

Mach-Zehnder interferometry, 2898P
Macrocycles, 4781C, 6233C, 6272C
Macrocyclics, 6262C
Macroinitiator, 122C
Macromolecular metal complex, 3719C
Macromonomers, 479C, 879C, 1038C, 1049C, 1325C, 1895C, 2266C, 2440C, 2483C, 3566C, 3574C, 3852C, 5032C, 5103C, 5855C
Macroporous polymers, 296C
Magnesium hydroxide, 1914P
Magnetic field, 616C
Magnetic polymers, 1342C, 3675C
Magnetic properties, 3432P
MALDI, 168C, 946C, 959C, 1248C, 1454C, 2164C, 2536C, 2643C, 3059C, 3551C, 3788C, 4781C, 5962C, 6480C
MALDI-TOF, 5690C, 6233C, 6272C
Maleated poly(3-hydroxybutyrate), 35P
Maleic anhydride, 1895C, 4217C, 5529C, 5814C
Maleimide, 2483C, 4303C, 5787C
MAO, 4505C
Mark-Houwink, 3100P
Mass spectrometry, 638C, 946C, 1454C, 2643C, 6480C
Mass spectroscopy, 2536C
Material point method, 1005P
Matrix, 4298C, 4578C
Matrix-free composites, 2767P
Maximum retention capacity, 4933C
Mechanical and thermal properties, 107P
Mechanical anisotropy, 264P
Mechanical modeling, 2289P
Mechanical properties, 78C, 87P, 135P, 264P, 334P, 345P, 429P, 438C, 786P, 1100P, 1186P, 1729P, 1812P, 2269P, 2280P, 2548P, 2852P, 2993P, 3019P, 3127P, 3159P, 3205P, 3337P, 3487P, 3611P, 3652P, 3932C, 4559C, 4618C
Mechanism, 6524C
Mechanism of electropolymerization, 2407C
Mechanochemical reaction, 2705P
MEH-PPV, 1705P
Melamine derivatives, 4089C
Melt, 2039P
Melt compounding, 1100P
Melting, 66P, 115P
Melting behavior, 553P, 1441P, 2694P
Melt-intercalation, 2653P
Melt mixing, 689P, 4217C
Melt rheology, 4618C
Melt tension, 158P
Melt vibrations, 13P
Membranes, 273C, 385C, 498P, 1019C, 1041P, 1741C, 1873P, 2074P, 2380P, 2843P, 2951C, 3447C, 3491C, 4439C
Membranes morphology, 3044P
Membrane structures, 3205P
Memory, 3438P
Merrifield resins, 2145C
Mesogen-jacketed liquid crystal polymer, 3232C
Mesomorphism, 2700C
Mesophase, 1873P, 2380P
Mesoscale self-organization, 2427P
Mesoscopic potentials, 871P
Metal assembling, 3719C
Metal complexation, 4981C
Metallocene, 1858C, 2304C, 4248C, 5465C, 5597C
Metallocene catalysts, 263C, 439P, 689C, 711C, 911C, 1261C, 1797C, 2061C, 2584C, 2650C, 2734C, 3305C, 3337C, 3707C, 3840C, 4744C, 5041C, 5562C, 6455C
Metallocene-catalyzed polyethylene (mPE), 2207P
Metallocene complexes, 689C, 1261C
Metallocene polypropylene, 1520P
Metaloquinolate-containing copolymers, 397C
Metal-organic catalysts/organometallic, 3268C, 4118C
Metal-polymer complexes, 1292C, 3153, 3167C, 4323C, 4838C, 4933C, 5414C, 5831C, 5855C, 5923C
Metal retention, 5889C
Metathesis, 407C, 5429C, 5715C, 5723C, 6134C, 6166C, 6599C
Methacrylate, 3831C, 5710C, 5844C
Methacrylic acid, 230C
2-Methacryloyloxyethyl phosphorylcholine polymer, 6073C
Methanol permeability, 5620C
Methine bridge, 616C
Methylaluminoxane, 1325C, 1978C
Methylaluminoxane polypropylene, 2734C
Methylene iodide, 773C
2-[(5-Methylisoxazol-3-yl)amino]-2-oxo-ethyl methacrylate, 2901C
Methyl methacrylate (MMA), 319C, 844C, 2358C, 2567C, 2625C, 4050C, 4099C, 4996C, 5049C, 5953C
Methyl orange, 2921C
2-Metyhyl-2-oxazoline, 2440C
$MgCI_2$-supported catalysts, 2128C
Micelles, 28C, 1129C, 2291C, 2474P, 2912C, 2977C, 3643C, 3685P, 3778C, 5156C, 6367C

Michael addition polymerization, 5127C
Michael adduct, 5661C
Micro-cracks, 3308P
Microemulsion polymerization, 2258C, 2495C
Microemulsions, 203C
Microencapsulation, 2468C
Microgels, 3575P
Microphase separation, 2557P, 2606C, 3377P
Microrod formation, 970P
Microspheres, 789C, 1498C, 5343C
Microstructure, 215P, 1532P, 1797C, 1842P, 2225P, 2451C, 2810C, 3019P, 3305C, 3454C
Microthermal analysis, 1392P
Microwave-assisted extraction, 4537C
Microwave irradiation, 6480C
Microwaves, 407C
Miniemulsion, 2188C, 3616C, 4870C
Miniemulsion polymerization, 2931C, 4972C
Miscibility, 603P, 1214P, 1486P
Mixing, 2594P
mLLDPE, 2121P, 3030P
MMT, 1465P
Mobility, 74P, 115P
Model composites, 66P
Model discrimination, 3189C
Modeling, 125P, 1076C, 2248C, 2280P, 2468P, 2534P, 2574C, 3191P, 3868C
Modification, 18C, 2207C, 2715P, 3376C, 3711C, 5127C, 5177C
Modification of polyesters, 1144C
Modified methylaluminoxane (MMAO), 3368C
Modulated DSC, 276P
Modulated temperature differential scanning calorimetry, 1283P
Modulus, 1794P, 2280P
Moiré interferometry, 2196P
Molar mass distribution, 861P, 1599C
Molecular cavity, 1873P, 2380P
Molecular characterization, 1591P
Molecular conformations, 1134P
Molecular double brushes, 4070C
Molecular dynamics, 522P, 871P, 911P, 959P, 970P, 994P, 1005P, 1134P, 1973P, 2086P, 3261P, 3460P
Molecular imprinting, 2048C, 2112C, 4298C
Molecular mass, 2388P
Molecular mass between cross-links, 2819P
Molecular mobility, 6084C
Molecular modeling, 455C, 897P, 911P
Molecular motion, 2259P
Molecular orientation, 2109P
Molecular recognition, 385C, 2556C, 4618C, 6431C
Molecular structure, 2121P
Molecular vibration, 2141P
Molecular weight, 264P, 1963C, 4206C
Molecular weight distribution, 1599C, 2675C, 4828C, 5506C
Molecular weight distribution/molar mass distribution, 178C, 421P, 3551C, 4894C, 5643C, 5710C
Monodisperse, 3433C
Monodispersed molecular weight dendrimers, 2195C
Monofilament, 2790C
Monolith, 2348C
Monolithic polymers, 296C
Monomer reactivity ratios, 2901C
Monomers, 3178C, 3920C, 3966C, 4666C, 4894C, 5300C
Monomer synthesis, 801C, 6465C
Monte Carlo simulation, 223P, 650P, 886P, 887P, 994P, 1041P, 1787C, 3478P
Montmorillonite, 585P, 1100P, 2298C, 3112P
Morphology, 79P, 205P, 287P, 355C, 429P, 488P, 562C, 805P, 1076P, 1152P, 1321P, 1475P, 1624C, 1986P, 1997P, 2074P, 2161P, 2190P, 2224C, 2269P, 2289P, 2548P, 2851C, 2964C, 3159P, 3231P, 3308P, 3394C, 3395P, 3519P, 3549P, 3555P, 4012C, 4079C, 5103C, 5449C, 73067C
Multifunctional acryl- and methacryl derivatives, 1873C
Multifunctional initiators, 3748C
Multifunctionality, 3273P
Multifunctional polymers, 5814C
Multilayer, 1062C
Multilayer structure, 2683P
Multiple hydrogen bonding, 4618C
Multiple melting, 3077P
Multiscale, 994P
Multiwalled carbon nanotubes, 3973C
MXD6, 2604P

Nafion, 2964C, 3044P
Nafion®, 786P
Nano $CaCO_3$, 107P
Nanocalorimetry, 629P
Nanoclay, 3638P
Nanoclay aspect ratio, 3555P
Nanoclay orientation, 3555P
Nanocomposites, 1P, 59P, 158P, 205P, 233P, 253P, 304C, 345P, 355C, 378P, 473C, 488P, 522P, 534C, 585P, 689P, 724P, 817P, 1014P, 1100P, 1186P, 1198P, 1344P, 1465P, 1607C, 1690C, 1785P, 1854P, 1892P, 2281C, 2298C, 2399P, 2445P, 2454P, 2493P, 2594P, 2653P, 2705P, 2745P, 2807P, 3112P, 3127P, 3171P, 3221C, 3242P, 3273P, 3406P, 3461C, 3611P, 3638P, 3713P, 3887C, 4323C, 4710C, 6084C, 6105C
Nanocylinders consisting of graft block copolymers, 63C
Nanofibers, 3205P, 4012C
Nano hybrid resin, 827P
Nanoindentation, 264P
Nanolayers, 1014P, 1041P, 1332P, 1702C
Nanomaterials, 1607C, 3059C
Nanoparticles, 837C, 849P, 1033P, 1119C, 1475P, 2258C, 3432P, 3631C, 3675C, 3778C, 4233C, 4323C
Nanoparticle surface modification, 488P
Nanoscale particles, 1090C
Nanoscopically confined polymers, 3460P
Nanosilica, 1670C
Nanosized silica, 600C
Nanostructure, 3261P, 3324C
Nanostructured materials, 1392P
Nanotechnology, 1028C, 1631P, 1812P
Nanotube, 2445P
Naphthalimide, 5571C
β-Naphtol, 4455C
Narrow band gap, 2325C
Natural rubber, 573P
Natural rubber-cellulose composites, 2131P
Near-Infrared emission, 1417C
Neck-in test, 158P
Negative-working, 1210C
Nematic phase, 3315C
Networks, 398P, 473C, 630C, 946C, 1624C, 1631P, 1729C, 1985C, 3315C, 4478C, 4953C, 4965C, 5323C, 5923C
Neutron reflectivity, 1486P
Neutron scattering, 617P, 827P, 849P, 1214P, 2914P
Nickel complex, 5414C
Nickel(II) α-dimine complexes, 1325C
Nitrobenzene quencher, 3945C
p-Nitrobenzyl triphenyl phosphonium ylide, 6524C
Nitrogen plasma, 2023P
Nitroxide-mediated controlled

radical polymerization, 6331C
Nitroxide mediated living radical polymerixaiton (NMP), 5748C
Nitroxide-mediated polymerization, 2977C
Nitroxide-mediated radical polymerization (NMRP), 1873C, 2145C
NLO, 398P, 1177C, 1317C, 4455C
NMR, 142C, 203C, 650C, 897C, 917C, 936C, 1076P, 1100C, 1150C, 1196C, 1261C, 2099C, 2433P, 2451C, 2810C, 3289C, 3305C, 3337C, 4030C, 4040C, 4666C, 4744C, 4790C, 5529C, 5844C, 5906C, 6084C, 6455C, 6503C
^{1}H NMR, 1196C
2D NMR, 1196C
^{13}C NMR, 1196C, 1624P, 2164C
1H-NMR self-diffusion, 4496C
Nonconjugated polymer, 3695P
Nonequilibrium crystallization, 1303P
Nonionic surfactant, 314P
Nonisothermal crystallization, 66P, 817P
Nonlinear Stern–Volmer, 2737P
Norbornene, 5535C
Novolac, 2862C
Nucleating activity, 2340P
Nucleating agents, 2340P, 73067C
Nucleation, 203C, 3438P
Nucleation polymorphism, 2340P
Nucleic acids, 4805C
Nucleophilic aromatic substitution, 1382C
Nylon, 87P, 1100P
Nylon-6, 1640P, 2170P
Nylon-1212, 3222P
Nylon-6/clay nanocomposite, 3555P

Octadecyl acrylate, 1129C
Octadecyl group, 1155C, 2712C
α-Olefins, 984C
Oligo (ethylene glycol) methacrylate (OEGMA), 1129C
Oligomers, 984C, 1228C, 2155C, 3804C, 4422C, 5323C, 6262C, 6438C, 6465C
Oligomers-telechelics, 2377C
Oligopeptide tweezers, 385C
Oligophenyleneethynylene, 3574C
One-dimensional electrically conductive polymer composites, 184P
Ophthalmic, 3491C
Optical activity, 3701C
Optical applications, 3369P
Optically active polymers, 6545C
Optical polymer, 3695P
Optical properties, 1511C, 2325C, 6554C
Optical resolution, 385C, 2348C
Optical switching, 1779P
Optics, 3534P, 6562C
Orange-red, 493C
Organically modified montmorillonite, 3171P
Organic–inorganic hybrid materials, 2754C, 2981P
Organic–inorganic polymer hybrids, 3543C
Organic light-emitting diodes (OLEDs), 397C
Organic molecular crystals, 1749P
Organic optoelectronics, 4280C
Organoclay, 689P, 994C, 1198P, 1892P
Organogel, 3567P
Organoiron, 1382C
Organolithium reagent, 6179C
Organometallic, 2280P
Organometallic catalysts, 1978C, 2723C, 3167C, 3403C, 3966C, 6166C
Organometallic polycondensation, 215P
Orientation, 158P, 1047P, 1161P, 1230P, 1296P, 1520P, 1825P, 2824P
Oxadiazole pendant (OXD), 2700C
1,3,4-Oxadiazole synthesis, 3079C
Oxetane concentration, 2028C
Oxetane resin, 2028C
Oxetanes, 3205C, 4260C
Oxidative coupling polymerization, 149C, 1635C, 5872C
Oxidative dimerization, 4600C
Oxidative polymerization, 1955C
Oxygen permeability, 3491C
Oxygen permeation, 511P
Oxygen-sensing, 2997C
Oxygen transport, 1047P, 1230P, 1365P

Packing model, 3100P
Pairing phase, 3331P
Palierne model, 3519P
Palladium/chlorotrimethylsilane, 6438C
(PAMAM), 5512C
Parallel chemistry, 3831C
Pararosaniline chloride, 5971C
Partial melting, 3222P
Particle nucleation, 844C, 1963C
Particle size distribution, 1177P, 2001C, 2368C
Pattern formation, 1303P
PBSu, 2039P
PCL, 1303P
(PEDOT), 419C
Peeling, 3316P
PEMFC, 6411C
PEM fuel cells, 1538P
Pendent glucosamine, 18C
p-Pentaphenyl, 3394C
PEO, 3288P
Peptides, 1C, 6355C
Percolated structure, 1696P
Percolation, 3273P
Percolation transition, 959P
Perfluoropolyether (PFPE), 2252P, 4790C
Performed initiators, 1216C
Permeability, 1230P, 2745P
Permeation, 2604P
Permselectivity, 385C
Peroxide-initiated crosslinking, 3600C
Phase behavior, 1214P, 1849P, 2230P, 2352P, 2937P, 3315C, 5312C
Phase diagrams, 650P, 716P, 2474P
Phase inversion, 2074P
Phase segregation, 1382P
Phase-separated structure, 6073C
Phase separation, 188C, 276P, 498P, 716P, 1007C, 1283P, 1624C, 2266C, 2790P, 2874C, 3804C, 4828C, 6095C
Phase-transfer agent, 2921C
Phase-transfer catalyst, 779C, 1248C, 4412C, 5844C
Phase transformation, 2314P
Phase transitions, 1779P
pH-dependent solubility, 5458C
pH determination, 1019C
Phenol, 1718C, 1955C
Phenolic resins, 1548P
Phenolphthalein, 1019C
Phenoxy-based zirconium catalysts, 5944C
Phenylazomethine, 3719C
N-(1-Phenylethylaminocarbonyl)-methacrylamide, 2013C
N-Phenylmaleimide, 479C, 3966C
Phenylquinoxaline, 6465C
Phillips CrO_x/SiO_2 catalyst, 4632C
Phosphate, 50C, 3899C
Phosphate esters, 4790C
Phosphonation, 273C
Phosphorus, 2862C, 3105C, 5971C
Phosphorus-containing polymers, 5328C
Phosphorus pentoxide, 4790C
Photoacid generator, 593C
Photoactive polymers, 6057C
Photoalignment, 4907C
Photochemistry, 2504C, 2997C, 3945C, 4303C, 4412C, 4907C
Photocrosslinking, 3932C

Photocrosslinking reaction, 2898P
Photocurable, 2426C
Photocuring kinetics, 658C
Photocycloaddition, 3324C
Photo-DCS, 658C
Photoinduced ATRP, 63C
Photoinimer, 5661C
Photoinitiated cationic polymerization, 2504C, 3105C
Photoinitiators, 101C
Photoluminescence, 493C, 1421P, 3079C, 5147C
Photophysics, 1417C, 3079C, 4486C, 6445C
Photopolymerization, 101C, 600C, 1369C, 1526C, 1684P, 1747C, 2068C, 2134C, 2504C, 2574C, 2941C, 3105C, 3153, 3159P, 3205C, 3324C, 3591P, 4642C, 5217C, 5571C, 5661C, 5844C, 5879C
Photopolymerization morphology, 1607C
Photo-radical initiator, 5571C
Photoresists, 593C, 1210C, 2527C, 5520C
Photo-responsive copolymers, 5337C
Photosensitive polybenzoxazole, 2527C
Photosensitive polymers, 4292C, 5138C
Photosensitive poly(phenylene ether), 149C
Photosensitization, 5217C
pH-responsive hydrogel, 2819P
Phthalocyanines, 837C
Phthalonitrile, 4136C
Physical properties of foams, 190P
Piezoelectric, 1310P
pK_a, 1150C
PLA, 3100P
Plasma, 2745P
Plasma etching, 1068C
Plasma-graft filling polymerization, 2068C
Plasma polymerization, 1392P, 2068C
Plastic, 407C
Plastic deformation, 994P
Plasticization, 2097P
Platinum porphyrin, 2997C
PMEO, 3151P
PMeT, 3058P
PMMA, 2269P
POE-g-AA/SiO_2-TiO_2 hybrid, 1690C
Poisson's ratio, 2280P
Polarized optical microscopy, 2885P
Polar monomers, 5944C
Polyacetoxymethylstyrene, 575C
Polyacetylene, 1228C, 2407C, 2851C, 3167C, 3701C, 5168C
Polyacrylamide, 1357C
Poly(acrylamide-*co*-divnylbenzene) [poly(AAm-*co*-DVB)], 5343C
Polyacrylamide gel, 1696P
Polyacrylates, 2178C, 2276C, 3748C
Poly(acrylic acid), 1168P, 2737P
Poly (acrylonitrile), 2061P
Polyactide, 4771C
Polyaddition, 6492C
Poly(3-alkythiophene)s, 1454C
Poly(amic acid-hydroxyamide), 6020C
Polyamide-6, 378P, 585P, 3611P, 3699P
Polyamide 6.6, 2448C, 2749C
Polyamide 12, 3720P
Polyamide-1010, 1177P
Poly(amide imide)s, 6545C
Polyamide-6/polypropylene, 1198P
Polyamides, 87P, 112C, 264P, 682C, 871P, 936C, 1260P, 1331C, 1365P, 1923C, 2266C, 3093P, 4559C, 5300C, 6308C
Poly(amidoamine), 1404C, 5512C
Poly(amineamide), 2085C
Polyamines, 1702C, 3040C
Polyanhydrides, 837C
Polyaniline, 74P, 815C, 1321P, 1767C, 2161P, 2892C, 4012C
Polyaromatics, 273C, 1635C, 2219P, 6287C, 6445C
Poly(arylene ether), 6411C
Poly(arylene ether sulfone), 2964C
Poly(arylene sulfide sulfone), 2964C
Poly(arylene thioether sulfone), 2964C
Poly(arylene vinylene), 6515C
Polyblends, 3116C
Polybutadiene, 276P, 1344P, 1401P, 2536C, 2874C
Polybutadiene-*b*-poly(methyl methacrylate), 22P, 837P
Polybutadiene rubber, 1854P
Poly(butylene adipate), 1662P
Poly(butylene succinate), 817P, 2039P
Poly(butylene succinate-*co*-adipate), 3077P, 3231P
Poly(butylene succinate-*co*-butylene adipate), 478P
Poly(butylene terephlatate), 1244P
Polycarbohydrates, 5855C
Polycarbonates, 994P, 1913C, 2307P, 2468C, 2578P, 2715P, 3909C, 4172C, 4819C
Polycondensation, 650C, 1248C, 1463C, 1624C, 1635C, 1757C, 2021C, 2237C, 3403C, 3711C, 4570C, 4781C, 5127C, 5440C, 5872C, 6223C, 6272C, 6287C, 6308C, 6394C, 6480C
Polycondensation a2 + b3, 6233C
Polydepsipeptides, 3030C
Polydimethylsiloxane, 3482C
Poly (dimethylsiloxane), 3491C
Polydispersity index (PDI), 4996C
Poly(dithiotriethylene adipate), 2677P
Poly (DL-lactide), 3667C
Poly(ϵ-caprolactone), 2426C, 2594P, 2765C, 2790C, 2985C, 3667C, 4196C
Polyelectrodes, 3497P
Polyelectrolyte brushes, 193P
Polyelectrolyte hydrogels, 753P
Polyelectrolytes, 129C, 974C, 1062C, 1382C, 3421P, 4161C, 4446C, 4609C
Poly(ester amide)s, 1144C, 1166C, 1463C, 3932C
Polyester dendrimer, 6379C
Polyesters, 92C, 650C, 1064P, 1177C, 1312C, 1331C, 1369C, 1433P, 1624C, 1757C, 1787C, 2448C, 2677P, 2777C, 2790C, 3221C, 3268C, 3278C, 3588C, 3600P, 4109C, 4642C, 4907C, 6308C, 6573C
Poly(ether-*block*-amide), 1161P, 2557P
Poly (ether sulfone), 1624P
Poly(ether imide)s, 1270C
Poly(ether ketones), 188C
Polyethers, 1007C, 1895C, 2075C, 2504C, 3665P, 4781C, 5440C, 5998C
Poly(ether sulfones), 498P, 1624P, 3178C
Polyethylene, 1119C, 2584C, 2963, 3083P, 3549P, 4248C, 5506C, 5597C
Poly(3,4-ethylenedioxythiophene), 419C
Poly(3,4-ethylenedioxythiophene) derivatives, 419C
Polyethylene fiber, 1495P
Poly(ethylene glycol), 28C, 79P, 1455P, 1895C, 4196C
Poly(ethylene glycol) diacrylate, 3932C
Polyethylene molecular structure and molecular mass distribution, 2128C
Poly(ethylene oxide), 314P, 359P, 479C, 743P, 2433P, 2665P
Poly(ethylene oxide)-*block*-poly(*p*-phenylene vinylene), 4337C
Poly(ethylene oxide) chloro telechelic macroinitiator, 5049C
Polyethylene (PE), 97P, 253P,

304C, 413P, 837P, 984C, 1260P, 1261C, 1325C, 1599C, 1608P, 1729P, 1825P, 1973P, 1978C, 1986P, 2252P, 3438P, 5944C
Poly(ethylene terephthalate), 1090P, 1441P
Poly(ethylene terephthalate) functionalization, 2207C
Poly(fluorene), 859C, 2119C, 2700C, 4486C, 6515C
Poly(fluorene-*co*-selenophene), 823C
Poly(fluorene-*co*-thiophene), 823C
Poly(1,4-fluorenylenevinylene), 6515C
Polyfunctional phenol, 2028C
Poly(FV), 5062C
Polyglycerol, 5458C
Poly(glycidyl methacrylate), 2258C
Polyhedral oligomeric silsesquioxane (POSS), 3887C
Poly(3-hydroxybutyrate), 35P, 2665P
Poly-(hydroxyphenylbenzoxazole), 1397C
Poly(imide-benzoxazole), 6020C
Polyimides, 331C, 593C, 1923C, 1997P, 2109P, 2370P, 2413P, 3018C, 3621P, 3966C, 4439C, 4922C, 5520C, 6020C, 6272C
Poly(imide-urethane), 4469C
Poly(imidoaryl ether sulfone), 5620C
Polyimines, 4654C
Polyindoles, 1444C, 3986C
Poly(ionic liquid), 1432C
Polyisobutylene, 946C, 1811C, 2951C
Poly(isobutyl methacrylate-*co*-butanediol dimethacrylate-*co*-methacryl polyhedral oligomeric silsesquioxane) [P(iBMA-*co*-BDMA-*co*-MA-POSS)], 355C
Polyisocyanantes, 3533C
Polyisoprene, 1344P
Poly(lactic acid), 689P, 3100P
Poly(lactide), 438C, 3100P, 3308P, 4196C, 5177C, 5257C
Poly(L-lactide), 2426C, 4586C, 6116C
Poly(L-lactide-*co*-ϵ-caprolactone), 3205P
Polylysine dendrimers, 2195C
Polymacromonomers, 1038C
Polymeric core—shell micelles, 2038C
Polymer analogous, 5699C
Polymer blends, 1144P, 1557P, 1924P, 2514P, 2898P, 2914P, 3414P, 3638P
Polymer brushes, 2145C
Polymer chains, 796P
Polymer characterization, 3058P, 3957C
Polymer electrolyte membrane, 1455P1455P, 1545C, 5620C
Polymer electrolytes, 273C, 3665P
Polymer film, 3255P
Polymer fractionation, 1557P
Polymer glasses, 3365P, 3369P
Polymer gradient, 3384P
Polymer hybrids, 473C
Polymeric electrochromics, 3245C
Polymeric microspheres, 2145C, 3049C
Polymeric organotin carboxylate, 3091C
Polymeric pH indicator, 1019C, 3447C
Polymeric photoinitiators, 5879C
Polymeric shells, 3357P
Polymer/inorganic nanocomposites, 3460P
Polymer interfaces, 2196P
Polymerization, 689C, 1778C, 2164C, 2468C, 3305C, 3966C, 4089C, 6020C, 6455C
Polymerization kinetics, 4632C
Polymerization mechanism, 5195C
Polymerization of propylene, 4505C
Polymer light-emitting diodes (PLEDs), 1417C, 2325C, 5062C
Polymer/macromolecular structures, 3361P
Polymer mushrooms and brushes, 3655C
Polymer nanocomposites, 1005P
Polymer/nanoparticle, 3384P
Polymer networks, 1369C
Polymers, 280P, 383P, 1591P, 1749P, 2399P, 2679C, 2790P, 3365P, 3372P, 3375P, 3376C, 3406P, 3674P, 3695P, 4136C, 5477C
Polymer slow mode, 323P
Polymer solutions, 1557P, 2541P, 3299P
Polymer-solvent interactions, 2524P
Polymersomes, 4805C
Polymer stationary phase, 2048C
Polymethacrylonitrile, 3665P
Poly(methacrylates), 3337C, 6057C
Poly[2-methoxy-5-(2′-ethyl-hexyloxy)-1–4-phenylene vinylene] (MEH-PPV), 2520C
Poly(methyl acrylate), 1948C
Poly(methyl methacrylate) (PMMA), 22P, 455C, 837P, 1478C, 1649C, 1660C, 1935C, 2433P, 2951P, 4405C, 6586C
Poly[methyl(3,3,3-trifluoropropyl)siloxane] (PMTFPS), 4431C
Poly(MMA-*co*-DVB), 1309C
Polymorphism, 1662P, 2048P
Poly(nanamethylene terephthalamide), 1640P
Poly(2-naphthyl acrylate), 2632C
Poly(*n*-hexyl isocyanate) (PHIC), 1124P
Poly(*N*-isopropylacrylamide) gel particle, 1696P
Poly (*N*-isopropylacrylamide) (PNIPAAm), 709P, 1283P, 3516C, 3643C
Poly(5-nitroindole), 3986C
Poly(*N,N*-dimethylacrylamide) copolymers, 1641C
Polyolefins, 911C, 1285C, 1557P, 1608P, 1681C, 2468P, 3289C, 4537C, 4744C, 5103C, 5429C, 5715C, 6323C
Polyols, 4393C
Poly-(*o*-/*m*-chloroaniline), 1579C
Poly(*o*-/*m*-toluidine), 1579C
Polyoxazoline, 122C
Poly(2-oxazoline), 1487C
Polyoxometalates, 3059C
Poly(oxyethylene), 1895C
Poly(*p*-dioxanone), 2298C, 2790C
Poly(pentafluorostyrene), 2874C
Polypeptides, 5690C
Poly(phenylacetylene), 2407C, 3701C
Poly(phenylene oxide), 1741C, 1955C
Poly(phenylene vinylene), 1881P
Polyphenylquinoxaline, 78C, 801C
Polyphenylsilsesquioxane (PPSQ), 473C
Polyphosphazenes, 2417C, 2912C
Poly(*p*-methoxyphenylacetylene), 5987C
Poly(*p*-methylstyrene), 4710C
Poly(*p*-phenylene)s, 4486C
Poly(*p*-phenylene sulfide), 2725P
Poly(*p*-phenylene vinylene) (PPV), 2325C, 3079C, 3126C, 4337C, 5147C
Poly(3,4-propylenedioxy-thiophene) (PProDOT), 419C
Poly(propylene)-glycol, 1196C
Polypropylene-nylon blends, 1408P
Polypropylene (PP), 66P, 107P, 158P, 263C, 306P, 429C, 1113P, 1230P, 1271P, 1557P, 1797C, 1914P, 2445P, 2493P, 2568P, 3112P, 3242P, 3713P, 4217C, 4248C, 4882C, 5529C
Polypyrroles, 2892C, 6105C, 6223C

Polysaccharides, 296P, 505C, 693C, 1205P, 5023C
Poly(L-lactide), 478P
Polysilaethers, 2476C
Polysiloxanes, 630C, 946C, 1317C, 1883C, 2155C, 3007C, 3359C, 3814C, 6146C, 6153C
Polysilsesquioxanes, 2483C
Poly(silylenemethylene), 886P
Polystyrene, 319C, 534C, 543C, 575C, 870C, 871P, 1144P, 1554C, 1811C, 1881P, 1930C, 2061C, 2224C, 2225P, 2368C, 2650C, 2657C, 2723C, 3257C, 3748C, 4089C, 4373C, 4431C, 4849C, 5041C, 5246C, 5498C, 5545C, 6039C, 6586C
Poly(styrene-*b*-ethylene oxide), 1220P
Poly(styrene-*co*-glycerol dimethacrylate) (GDMA-PS), 4373C
Polystyrene copolymer, 4089C
Polysulfides, 638C, 4118C
Polysulfones, 273C
Poly(*tert*-butyl acrylate)-poly[(R)-3-hydroxybutyrate]-poly(*tert*-butyl acrylate)(PtBA-PHB-PtBA) triblock copolymers, 4857C
Poly (tetramethylene oxide), 3482C
Poly(thioether ketone), 2021C
Polythiophene, 4280C
Polythiophene derivatives, 1421P
Polythiourethane, 1554C
Polytitanasiloxane, 763C
Poly-(trimethylenecarbonate), 2790C
Polyurea, 682C, 5823C
Polyurea gels, 5823C
Poly(urea urethane), 3376C
Polyurethane dispersion, 844C, 3482C, 4050C
Polyurethane hybrids, 1670C
Polyurethanes, 345P, 542P, 603P, 716P, 1196C, 1903C, 2454P, 2985C, 3171P, 3711C, 4469C, 4870C, 6282C, 6613C
Poly(ure urethane) (PUU), 6084C
Poly(vinyl acetate), 2188C
Poly(vinyl alcohol), 3191P
Poly(vinyl chloride) (PVC), 287C, 724P, 773C, 779C, 1255C, 1465P, 1478C, 1649C, 1660C, 1948C, 2185C, 2276C, 2451C
Poly(vinyl ethers), 4288C
Poly(vinylidene fluoride) (PVdF), 2568P, 2862P, 3543C
Poly(vinylidene fluoride-trifluoroethylene), 2334P
Poly(vinylidene fluoride-trifluoroethylene) [P(VDF-TrFE)], 2972P
Poly(vinyl methylether), 1144P, 2141P
Poly(vinyl pivalte), 789C
Poly(vinyl pyrrolidone)/ethyl alcohol (PVP–E) binary mixtures, 1134P
Polyzirconasiloxane, 763C
Polyzwitterions, 129C
Poole–Frenkel, 74P
Pore-forming agent, 5490C
Porous material, 2348C
Porous structure, 3049C
Porphyrins, 2851C
POSS, 5465C
Potassium thiocyanate, 2013P
PPG-IPDI, 1196C
PPO-PEO-PPO, 699P
$\pi--\pi$ Stacking, 6007C
Precipitation polymerization, 1309C, 5343C
Pressure, 2836C
Pressure-sensitive adhesives, 3316P
Pressure-sensitive paint, 2997C
Primary and secondary crystallization, 3000P
Process-structure-property relationship, 2767P
Propargyl group, 5440C
1-Propenyl ether monomers, 3105C
Properties, 603P, 1344P, 3461C
Property profile, 2679C
Propylene oxide, 4079C, 4393C
Protected dithiol monomers, 2021C
Proteinase K, 438C
Proteins, 1C, 650P, 3501P
Proton-conducting membranes, 2981P, 3359C
Proton conduction, 4439C
Proton conductivity, 1455P1455P, 1538P, 1545C, 5620C
Proton-exchange membrane, 2964C, 4363C, 6411C
Proton irradiation, 2334P
Proton transfer, 1150C
Pull-off stress, 3628P
PVT, 1618P
Pyrene polyurethanes, 3945C
Pyrene probe, 4586C
Pyridazine heteroatom, 2230P
Pyridine derivatives, 455C
Pyridopyrazines, 1417C
Pyrolysis, 638C, 763C, 1168P, 3778C
Pyruvate kinase, 562C

Quadricyclane, 4412C
Quantum chemistry, 827P
Quantum efficiency, 1705P
Quartz crystal microbalance, 1930C
Quasi-isothermal, 629P
Quenching, 3945C
Quinoline, 859C

Radial polymerization, 4260C
Radiation, 190P, 1068C
Radical copolymerization, 917C, 1827C, 2666C, 2874C
Radical polymerization, 50C, 101C, 142C, 178C, 287C, 319C, 397C, 519C, 584C, 600C, 773C, 779C, 1357C, 1478C, 1649C, 1660C, 1747C, 1935C, 1948C, 2013C, 2145C, 2178C, 2185C, 2276C, 2368C, 2451C, 2546C, 2574C, 2723C, 2901C, 2997C, 3689C, 3899C, 3920C, 4187C, 4271C, 4373C, 4618C, 4666C, 4675C, 4942C, 5097C, 5103C, 5188C, 5232C, 5283C, 5347C, 5498C, 5609C, 5774C, 5864C, 6153C, 6262C, 6419C
Radical ring opening, 6028C, 6039C
Radical trapping and kinetic control, 5748C
Radius of gyration, 534P
RAFT polymerization, 1973C, 4972C
Raman LAM, 3083P
Raman spectroscopy, 827P, 1144P
Ramie, 2754P
Random copolyamides, 2625P
Random copolymerization, 438C, 4618C
Random copolymers, 1441P, 1498C, 3831C
Randomization, 2164C
Rate constant, 505C
Rate constants of propagation and termination, 2013C, 5864C
Rate of reaction, 2028C
Rate of the propagation reaction, 1401P
Reactions, 994C
Reactive compatibilization, 1244P
Reactive extrusion, 314P, 4217C
Reactive groups, 4547C
Reactive surfactants, 2675C
Reactivity ratios, 157C, 917C, 2666C, 3305C, 3771C, 3868C, 4666C
Reactor mixture, 263C
Reconcile, 125P
Recycling, 2075C
Redox polymers, 5023C, 6592C
Reducing sugar-containing dendrimers, 2195C
Reductive amination, 2195C
Reflective electrochromic device, 6562C
Refractive index, 149C, 637P, 5774C

Regime transition, 2694P
Regioregulatrity, 4248C
Reichardt's dye, 3643C
Reinforcement, 522P, 1186P, 3973C
Relaxation, 522P, 596P, 1504P, 1794P, 2433P
Relaxation transition, 2862P
Relaxor ferroelectric, 2334P
Renewable resources, 3178P, 3909C, 6295C, 6308C
Resins, 2075C
Resist, 1068C
Resonance reman, 815C
Reversible, 2912C
Reversible addition-fragmentation chain transfer living radical polymerization, 6073C
Reversible addition-fragmentation chain transfer polymerization, 3831C
Reversible addition fragmentation chain transfer (RAFT), 959C, 1535C, 2001C, 2188C, 2615C, 2632C, 2931C, 3141C, 3189C, 3440C, 3551C, 3643C, 4849C, 5232C, 5347C, 5498C, 5643C, 5652C, 5680C, 6379C
Review, 2679C
Rh complex catalyst, 2836C
Rheological behavior, 3213P
Rheological properties, 689P
Rheology, 78C, 233P, 323P, 334P, 562P, 1124P, 1260P, 1794P, 1812P, 1854P, 2013P, 2534P, 2557P, 2807P, 2993P, 3100P, 3127P, 3288P, 4496C
Rhodium, 3167C
Rhodium complex, 4530C
Ring opening, 5119C, 6492C
Ring-opening metathesis polymerization, 217C
Ring-opening polymerization, 122C, 373C, 1014C, 1487C, 1498C, 1554C, 1729C, 1913C, 1985C, 2281C, 2643C, 2765C, 2777C, 3030C, 3205C, 3221C, 3667C, 3788C, 4118C, 4196C, 4206C, 4393C, 4412C, 4670C, 4771C, 4819C, 5156C, 5217C, 5449C, 6153C, 6534C, 6573C, 6605C
Ring polymer, 223P
Rivlin expansion, 125P
Rod–coil diblock copolymers, 5935C
Rolling M-245, 2495C
ROMP, 217C, 4233C, 5535C, 5715C, 6599C
Rosolic acid, 2862C
Roughness, 1696P
Rubber, 125P, 1649P, 3611P
Rubbing, 3591P
Ruthenium complexes, 6134C
Ruthenium-polymer complexes, 6057C

Salt effects, 6480C
Salts, 2074P
Samarium, 1312C
Saturated red emitters, 2325C
Saturation velocity, 74P
SAXS, 188C, 463P, 1892P, 3261P, 3414P
SBS, 276P
Scaling behavior, 2484P
Scanning thermal microscopy, 1392P
Scatter, 3674P
Schilz-Blaschke, 3100P
Scission, 1068C
Secondary amine, 4405C
Secondary structure, 5690C
Sedimentation equilibrium, 2937P
Seeding, 3438P
Segmented polyurethanes, 3178P
Selective, 682C
Selectivity, 2112C
Self-assembled monolayer (SAM), 3631C
Self-assembled nanostructures, 3460P
Self-assembly, 1090C, 1119C, 1569C, 2038C, 2291C, 4161C, 4805C, 4981C, 5512C, 5554C, 5935C, 6007C, 6367C, 6534C
Self-condensing vinyl copolymerization (SCVCP), 4754C
Self-condensing vinyl polymerization, 3502C
Self-crosslinkable polymer, 4260C
Self-heating, 2484P
Self-nucleation, 3438P
Self-organization, 2181P, 3069P, 3324C, 4323C
SEM, 3414P, 4012C
Semicrystalline polymers, 1729P, 3191P, 3555P
Semidilute, 3288P
Semi-interpenetrating polymer networks (semi-IPNs), 603P, 1944P
Semipolar, 129C
Sensitization, 1684P
Sensors, 1397C, 4547C
Separation techniques, 168C, 2361P
Sequence analyses, 3268C
Sequential distribution, 1624P
L-Serine, 1554C
Shape-memory polymers, 1369C
Shape-memory properties, 2426C
Shear, 3316P
Shear force, 2005P
Shelf stability, 2598C
Shish-kebab, 2639P
Shrinkage, 2314P, 3421C
Side-chain liquid-crystalline polymers, 5998C, 73067C
Side-chain polymers, 1779P
Si—H bonds, 2476C
Silane, 573P
Silane crosslinking, 2207P
Silarylene-siloxanes, 4922C
Silica, 2399P, 3127P, 3778C
Silica gel supports, 168C
Silica nanoparticles, 658C
Silica-supported catalysts, 1978C
Silicones, 630C, 946C, 1532P, 2548P, 3814C, 4422C, 5119C, 6492C
Siloxane, 345P, 3491C
Silsesquiosane, 2119C
Silyl compounds, 5440C
Simple shear, 3555P
Simulations, 959P, 983P, 1014P, 1271P, 2474P, 3189C, 3460P, 5643C
Simulations modeling, 911P
Single-chain particles, 2243P
Single electron transfer, 287C, 773C, 779C, 1255C
SiO_2 network, 2594P
SiO_2/PS/PANI, 342C
Six-arm star-shaped poly(ϵ-caprolactone), 5449C
Size exclusion chromatography (SEC), 2556C, 4030C, 4040C, 4496C, 6503C
Slip index, 2683P
Slow crack growth, 1729P
Slurry and solution reactors, 2248C
Small-angle neutron scattering, 3567P
Small-angle neutron scattering measurements, 693C
Small-angle X-ray scattering, 3685P
Sodium dithionite, 773C, 779C, 1255C, 2178C, 2185C, 2276C
Solar cells, 3574C
Sol-gel, 1690C, 2399P, 6084C
Sol-gel reaction, 473C, 3543C
Sol-gel transition, 959P
Solid-phase extraction, 1718C
Solid-phase peptide synthesis, 4373C
Solid-phase synthesis, 235C
Solid polymer electrolyte, 3151P
Solid-state ^{13}C NMR, 2086P
Solid-state NMR, 3720P
Solid-state shear pulverization, 3414P
Solid-state structure, 215P, 630C, 946C
Solubility, 331C, 1230P, 3018C
Soluble drug carriers, 1404C
Solute-solvent interactions, 1134P

Solution atom transfer radical polymerization, 4828C
Solution polymerization, 3957C
Solution properties, 709P, 1014P, 2061P, 2413P
Solutions, 3044P
Solvent effect, 71C, 1588C, 4505C, 6247C
Solvent-free reactions, 6480C
Solvents, 2749C
Solvent vapor, 2874P
Sonogashira polycondensation, 3574C
Sorption, 2131P
Soy, 3501P
Space environment, 2503P
Spatial resolution, 1068C
Specific volume, 1618P
Spectra® fiber, 2767P
Spherical particle-filled nanocomposites, 3652P
Spherulites, 693C, 2694P, 3308P
Spiro-orthocarbonate, 1729C
Spontaneous reaction, 5195C
Stabilization, 2451C, 4537C, 5889C
Stabilizer-free, 3760C
Stable blue color, 2316C
Stacking, 2219P
Star-block copolymer, 6534C
Starch, 603P
Star copolypeptides, 4670C
Star double combs, 4070C
Star polymers, 733C, 870C, 1401P, 2388P, 3349C, 3655C, 3689C, 3748C, 4271C, 4373C, 5188C, 5498C, 6345C
Star-shaped macromers, 2941C
Star-shaped molecules, 1382C
Star-shaped poly(ϵ-caprolactone), 4721C
Star-shaped polymers, 3232C, 4586C, 6116C
Static and dynamic light scattering, 534P
Statistical modeling, 3674P
Step-growth polymerization, 92C, 2021C, 2155C, 2266C, 6146C, 6166C
Stepwise complexation, 3719C
Stereochemical composition, 1271P
Stereocomplexes, 438C
Stereoregular polymers, 1188C, 3899C
Stereoselective, 6605C
Stereosequence, 2164C
Stereospecific polymers, 50C, 1797C, 4405C
Stiffness, 3628P
Stilbazole, 4731C
Stille coupling reaction, 2325C
Stimuli-sensitive polymers, 1369C, 4942C, 4981C, 5156C, 5337C, 5704C
Stoichiometry, 1757C, 4721C
Stone, 542P
Stop-scan DSC, 115P
Strain, 22P, 1794P
Strain energy function, 125P
Strain relaxation, 2898P
Strain transfer, 2196P
Streaming potential, 4161C
Stress, 22P, 1794P
Stress-strain behavior, 125P
Structural behavior, 2745P
Structural changes, 2829P
Structural research, 3361P
Structure, 983P, 1344P, 5562C
Structure determination, 3058P
Structure of the polymers, 6438C
Structure-property relations, 13P, 92C, 112C, 331C, 429P, 439P, 917P, 1124P, 1205P, 1631P, 1973P, 2061C, 2679C, 3737C, 4050C, 5300C
Styrene, 319C, 726C, 1068C, 1827C, 4099C, 6524C
Styrene-acrylonitrile copolymer, 1904P
Styrene and butadiene, 1188C
Styrene butadiene rubber, 1344P, 1854P
Styrene copolymer, 276P
Styrene-isoprene–styrene, 3406P
Styrenic macromonomers, 4030C, 4040C
Styrenic monomers, 6419C
Subglass relaxation, 2413P
Sub-melting-temperature exotherm, 378P
Substituted polyacetylene, 4530C
Substituted styrenes, 5195C
Sulfides, 2504C
Sulfonated copolyimide, 1545C
Sulfonated copolymer, 2964C
Sulfonated polybenzimidazole, 4363C
Sulfonated polyimide, 1455P
Sulfonated polysulfone, 1538P
Sulfonic acid groups, 1741C
Sulfonium-type cationic photoinitiator, 3105C
Sulfonyl groups, 1317C
Supercritical carbon dioxide, 2546C, 6573C
Supercritical fluids, 2777C
Superparamagnetic polymer particle, 3433C
Super strong segregation, 3685P
Supports, 235C, 263C, 2075C, 5562C
Supramolecular, 5831C
Supramolecular architectures, 6431C
Supramolecular chemistry, 4981C
Supramolecular inclusion complexes, 4721C
Supramolecular structures, 488P, 2099C, 3421P, 4838C, 6445C
Supramolecular synthesis, 6431C
Surface-confined living radical polymerization (SCLRP), 3631C
Surface electrical resistance, 345P
Surface energy, 253P
Surface grafting, 600C, 5177C
Surface-initiated polymerization, 2145C
Surface modification, 2023P, 2048C, 3655C, 5704C
Surface properties, 3376C, 4144C
Surfaces, 562P, 600C, 1271P, 1332P, 1532P, 3395P, 4654C, 4695C
Surface segregation, 1924P
Surfactants, 193P, 1498C, 2224C, 2617P, 3257C, 3707C, 5312C, 6431C
Surfactomesogens, 3421P
Suspension copolymerization, 917C
Suspension polymerization, 789C, 1718C, 2001C, 4373C, 6573C
Suzuki coupling, 879C, 4486C
Suzuki polycondensation, 1454C
Swelling, 122C, 1649P, 2097P, 2843P, 5032C
Swelling behavior, 1696P
Swelling degree, 4161C
Swelling kinetics, 2819P
SWNT, 2445P, 3273P
Synchrotron x-ray scattering, 3720P
Syndiotactic, 50C, 263C, 1554C, 2061C, 3899C, 4744C, 5041C
Syndiotactic 1,2-polybutadiene, 2885P
Syndiotactic 1,2-polybutadiene (st-1,2-PB), 553P
Syndiotactic polypropylene, 439P, 2824P
Syndiotactic polystyrene, 1873P, 2304C, 2380P
Syndiotactic poly(vinyl alcohol) microspheres, 789C
Synthesis, 1C, 355C, 638C, 1019C, 1317C, 1342C, 1702C, 1811C, 2028C, 2298C, 2476C, 2483C, 2574C, 2679C, 3018C, 3153, 3447C, 3461C, 3502C, 3551C, 3814C, 4099C, 4109C, 4151C, 4422C, 4469C, 4486C, 4675C, 4731C, 4857C, 4953C, 4965C, 5083C, 5300C, 5328C, 5414C, 5554C, 5935C, 6020C
Synthesis (of chiral ionic liquids), 3454C
Synthetic cellulose, 693C

Synthetic macromolecules, 3367P

Tacticity, 1150C, 5906C
Tait equation, 1618P
Tandem mass spectrometry, 946C
Tartaric acid, 3909C
Tear, 97P, 413P
Telechelic polymer, 1858C
Telechelics, 773C, 959C, 1255C, 2178C, 2276C, 5520C, 6057C
TEM, 304C, 1569C, 2639P, 3059C, 3289C, 3887C, 3973C, 4012C
Temperature-dependent solubility, 5458C
Temperature sensitive, 3575P, 5490C
Temperature-sensitive polyurethanes, 1865P
Templates, 473C, 6262C
Tensile behavior, 3255P
Tensile strength, 573P
Tension, 1520P, 2715P
Termini, 4894C
Ternary blends, 3213P
p-Terphenyl, 3394C
Terpolymers, 3040C, 6503C
Terpyridine, 5831C, 6331C
Tethered membrane, 3478P
Tetraethoxysilane, 763C
Tetrahydrofuran, 287C
Tetraisopropoxytitanium, 763C
Tetraisopropoxyzirconium, 763C
2,2,6,6-Tetramethyl-1-piperidinyloxy, 543C
Tetramethylthiuram disulfide, 543C
1,5,7,11-Tetraoxaspirol-[5.5]undecane (TOSU), 5962C
Tetrbutylammonium hydroxide, 3623C
Theoretical analysis, 3058P
Theory, 1033P, 1849P
Thermal annealing, 2289P
Thermal behavior, 35P, 1662P, 3077P, 4933C
Thermal conductivity, 190P, 1495P, 2754P, 3591P
Thermal control of friction, 2514P
Thermal curing, 2028C
Thermal degradation, 2705P, 3713P
Thermal diffusivity, 2754P
Thermal imidization, 1270C
Thermally induced physical gelation, 1155C, 2712C
Thermal properties, 190P, 331C, 397C, 439P, 629P, 689P, 1310P, 1382C, 1441P, 1444C, 2548P, 2843P, 3007C, 3093P, 3127P, 3159P, 3566C, 3737C, 4260C, 4363C, 4431C, 4469C, 4517C9, 4559C, 4721C, 5300C, 5571C, 6146C, 6308C
Thermal radiation, 190P
Thermal shrinkage, 2392P
Thermal stability, 157C, 779C, 5953C, 6586C
Thermal transitions, 699P
Thermal treatment, 2653P
Thermodynamic parameters, 1134P
Thermodynamic quality of solvent, 534P
Thermodynamics, 287P, 650P, 3973C
Thermogravimetric analysis (TGA), 1168P, 2666C, 2754C, 4161C, 4933C, 5328C, 5823C, 6545C
Thermomechanical properties, 3440C
Thermoplastic blend separation, 2361P
Thermoplastic elastomers (TPEs), 2237C
Thermoplastic poly(ester urethane) elastomer, 1177P
Thermoplastic polymer, 4469C
Thermoplastics, 87P, 135P, 5823C
Thermoplastic vulcanizate (TPV), 2207P
Thermoresponsive, 1641C, 6095C
Thermoresponsive polymer, 2937P
Thermoreversible, 796P
Thermoreversible gelation, 3331P
Thermosensitive sol–gel transition, 6048C
Thermosensitivity, 3516C
Thermosets, 149C, 671C, 1028C, 2258C, 2314P, 2337C, 3135P, 3421C, 3510C, 5072C, 5267C
Thermosetting blends, 359P
Thermotropic liquid crystalline polymer, 2230P
1,3,4-Thiadiazole, 1511C
Thick films, 2334P
Thin films, 742C, 1028C, 1392P, 1454P, 1532P, 1849P, 2109P, 2181P, 2874P, 3337P, 3444P, 3986C
Thiocarbonate, 1014C
Thiolate, 1312C
Thiophenes, 1177C
Thiourea dioxide, 287C
Three-armed block copolymer, 1708C
Three-layer polymer particle, 5652C
Tie molecules, 413P, 1729P
Time-resolved SAXS, 805P
Tin coordination, 3091C
Tin (IV) chloride, 4288C
Titania, 637P
Titanium alkoxide, 6028C
Titanium complexes, 4505C
Titanium half-sandwich complexes, 6039C
TMDSC, 2885P
Toluene, 4996C
p-Toluenesulfonyl iodide, 3920C
o-Toluidine, 1895C
Toughening, 1244P
Toughness, 1950P, 2170P, 3213P, 3611P
Toughness mechanism, 1113P
Transesterification, 4109C
Transformation, 763C
Transistor, 74P
Transition metal, 4393C
Transition-metal catalyst, 4530C, 5328C
Transition metal chemistry, 3707C
Transition metal crystal, 2304C
Transitions, 2474P
Transition-state analogue substrate, 693C
Transition state (TS), 1827C
Transmission electron microscopy, 1152P
Transparency, 473C, 2527C, 3534P, 3543C
TREF modeling, 3083P
Trialkylsilyl methacrylate, 5680C
Triarylsulfonium salts, 2504C
Triazine, 28C
1,3,5-Triazine derivatives, 6554C
Triblock copolymers, 959P, 4828C, 5429C
Triethyleneglycol methacrylate (TREGMA), 3575P
Trifunctional five-membered cyclic dithiocarbonate, 5498C
Trifunctional initiator, 1708C
Triisopropoxy(methyl)silane, 3623C
Trimethoxysily endgroups, 3667C
Trimethoxyvinylsilane, 5864C
Trimethylaluminum, 6455C
Trimethylene carbonate, 1778C, 1913C
Triphenylamine, 493C, 2085C
Triphenylamine derivatives, 3245C
Triphenyl phosphite, 6545C
Triple layer cathode, 5062C
Tris(2-aminoethyl)amine (TREN), 5906C
Tris(2-dimethylaminoethyl)amine, 1660C, 1948C, 5207C
1,3,5-tris(2-hydroxyethyl) cyanuric acid, 3278C
1,2,4-Tris(*p*-methoxyphenyl)-benzene, 5987C
1,3,5-Tris(*p*-methoxyphenyl)-benzene, 5987C
TTGG helix, 1873P
Two-dimensional nuclear

magnetic resonance (2D NMR), 4790C

Ultrafine fibers, 3699P
Ultrahigh molecular weight, 2190P
Ultra high molecular weight polyethylene (UHMWPE), 2963P, 3019P
Ultrahigh-strength polyethylene fiber, 2639P
Ultrasonic absorption, 2862P
Ultrasonic irradiation, 2121P
Ultrasonic oscillations, 3030P
Ultrasonic wave, 2862P
Ultrasonic wave propagation, 596P
Ultrasound, 334P, 1260P
Ultrasound irradiation, 2617P
Ultraviolet-curable organic-inorganic hybrids, 1607C
Uniaxial, 724P
UNIFAC-FV, 3299P
Uniform size polymer particle, 2556C
UNIVAC model, 2541P
Unsaturated biodegradable polymers, 1463C, 3932C
Unsaturated polyester resins, 596P
Uranyl ion, 2737P
Urethane methacrylate, 2483C
UV cationic curing, 1883C
UV-initiated free-radical photopolymerization, 658C
UV irradiation, 1526C
UV–vis absorption, 2119C
UV-vis spectroscopy, 101C, 637P, 2358C, 2657C, 4559C, 6455C

Vacuum ultraviolet radiation, 2503P
Vacuum ultraviolet rays, 2068C
Vanadium acetylacetonate, 5987C
Vanadium acetylacetonate catalyst, 6438C
Vanadium complex, 5872C
van der Waals partition function, 2541P
Vehicle-substrate interactions, 3357P
Vesicles, 6355C
Vinyl acetate, 3728C, 5581C, 5632C
Vinylbenzene groups, 429C
Vinylbenzyl chloride isomers, 1718C
Vinyl chloride, 287C, 773C, 779C, 2185C
Vinyl chloride/acrylonitrile copolymer, 3127P
Vinyl ether, 468C, 4292C, 5138C, 5217C
Vinyl ether monomers, 3105C
Vinylic polymerization, 5535C
Vinylidene fluoride, 917C, 2503P
Vinylidene fluoride/trifluoroethylene copolymer, 1310P
Vinylogous tetrathiafulvalene, 4600C
N-(Vinylphenyl)carbazole, 911C
Vinyl pivalate, 789C
Vinyl polymer, 600C
2-Vinyl pyridine, 607C
N-Vinyl pyrrolidone-*tert*-butyl methacrylate copolymers, 18C
Viologen, 287C
Viscoelasticity, 3135P, 3316P
Viscoelastic measurements, 1944P
Viscoelastic medium, 2862P
Viscoelastic modeling, 59P
Viscoelastic properties, 264P, 355C, 522P, 562P, 596P, 917P, 1155C, 1794P, 1973P, 2259P, 2289P, 2712C, 2993P, 3487P, 3501P
Viscosity, 129C, 296P, 522P, 2074P
Viscosity ratio, 3600P
Void, 2097P
Volume expansion, 5323C
Volume shrinkage, 2392P
VTF equation, 3151P

Warpage, 2392P
Water-soluble polymers, 505C
Water, 777P, 2604P
Waterborne polyurethane, 1P, 3973C
Waterborne polyurethane nanocomposites, 1076P
Waterborne poly(urethane urea), 2606C
Water-dispersible, 4695C
Water in nylon, 1408P
Water resistance, 2606C
Water-soluble fullerene derivatives, 5814C
Water-soluble polymers, 519C, 709P, 1007C, 1090C, 1119C, 1357C, 2546C, 3141C, 5414C, 5715C, 5814C, 6095C, 6345C
Water sorption, 48P, 1365P
Water uptake, 1545C, 5300C
Water vapor permeability, 1865P
WAXD, 2885P
WAXS, 97P, 304C, 413P, 2099C, 2677P, 3091C, 3261P, 3440C, 5823C
Weak reactive initiator, 607C
Wear, 2514P
Well-defined hard segments, 2606C
Wettability, 600C
Worm-like micelles, 1950P
Wrinkles and crumpling, 3478P
Wurtz coupling reaction, 2476C

X-ray, 215P, 1076P, 1090P, 1321P, 1511C, 1662P, 2677P
X-ray photoelectron spectroscopy (XPS), 3737C
X-ray scattering, 3394C
XRD, 107P
XRD studies, 1903C

Yamamoto polycondensation, 879C
$YBa_2Cu_3O_{7-x}$, 1168P
Yellow-light-emitting films, 2765C
Yielding, 3135P

Ziegler-Natta catalyst, 4351C, 5987C
Ziegler-Natta polymerization, 711C, 1285C, 1681C, 1797C, 1978C, 2061C, 2248C, 6323C, 6438C
Zinc glutarate catalyst, 4079C
Zinc halides, 4393C
Zipper-like crosslinks, 3331P
Zirconium, 1261C
Zwitterionic intermediate, 5195C